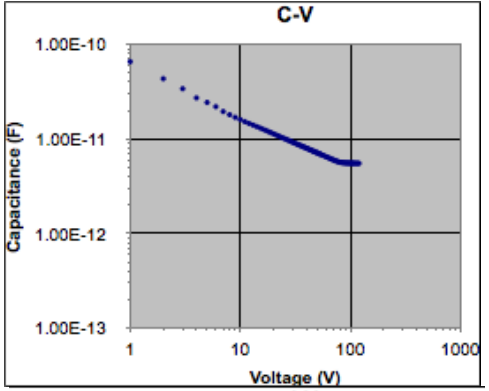
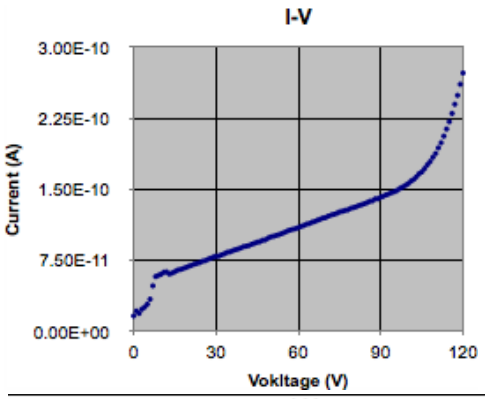
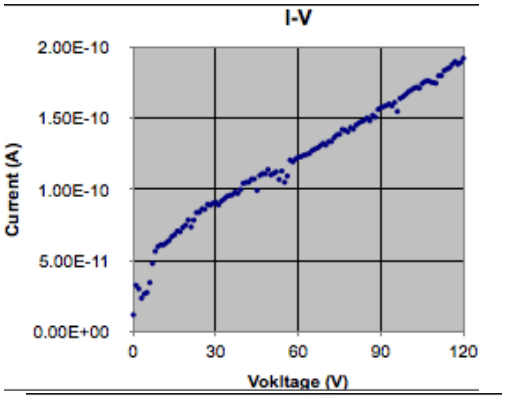
BNL 2mm detector tests Autumn 2015

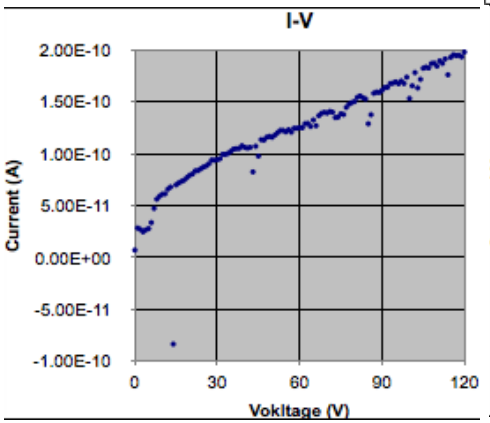
Note: detector 1461.26 (used in B2D-2) not in this summary

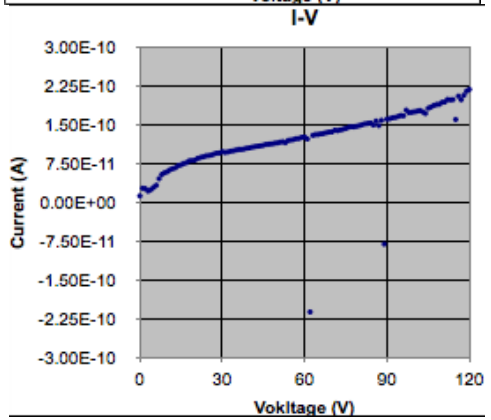
1282.1

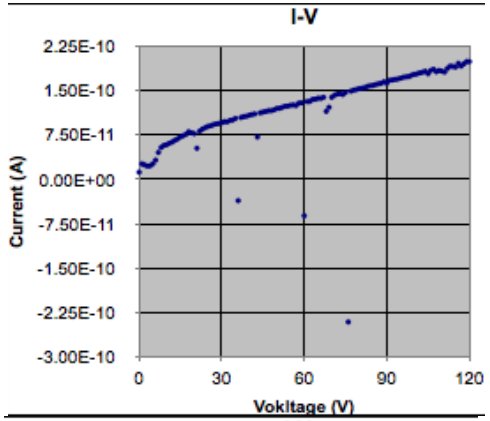

C-V
Capacitance (F)
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1
10
100
1000
Voltage (V)

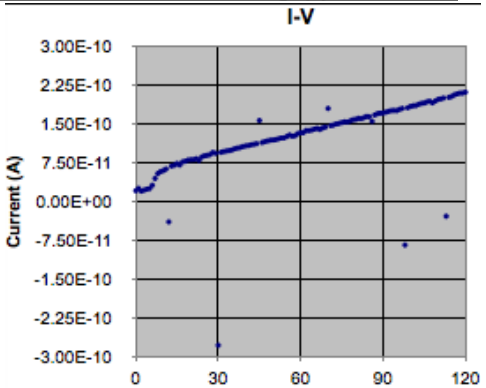

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

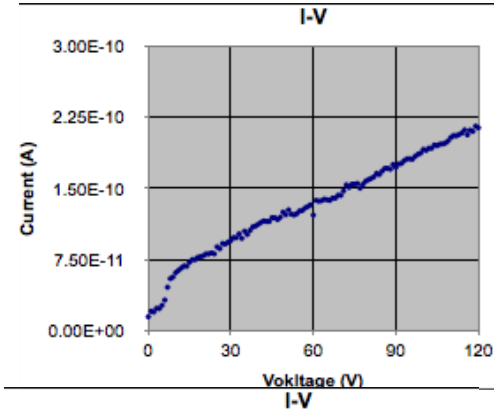

I-V
Current (A)
2.00E-10
1.50E-10
1.00E-10
5.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

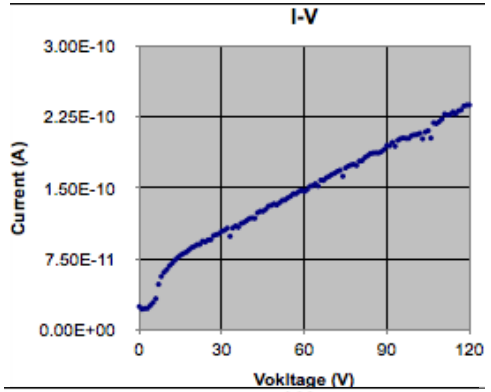

I-V
Current (A)
2.00E-10
1.50E-10
1.00E-10
5.00E-11
0.00E+00
-5.00E-11
-1.00E-10
0
30
60
90
120
Voltage (V)

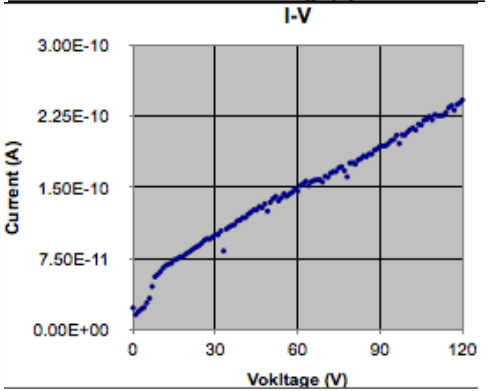

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
-1.50E-10
-2.25E-10
-3.00E-10
0
30
60
90
120
Voltage (V)

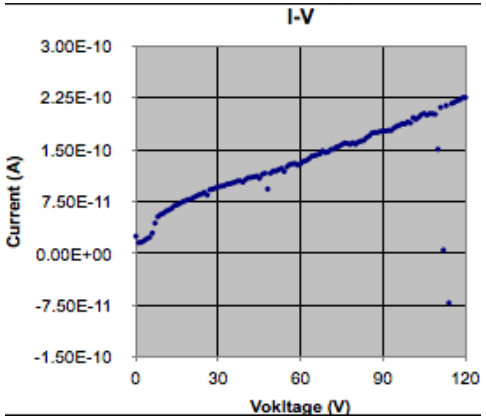

I-V
Current (A)
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
-1.50E-10
-2.25E-10
-3.00E-10
0
30
60
90
120
Voltage (V)

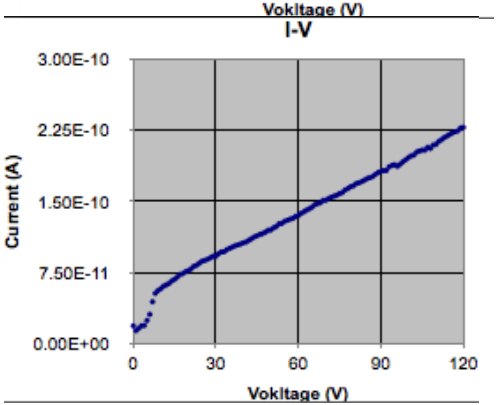

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
-1.50E-10
-2.25E-10
-3.00E-10
0
30
60
90
120
Voltage (V)

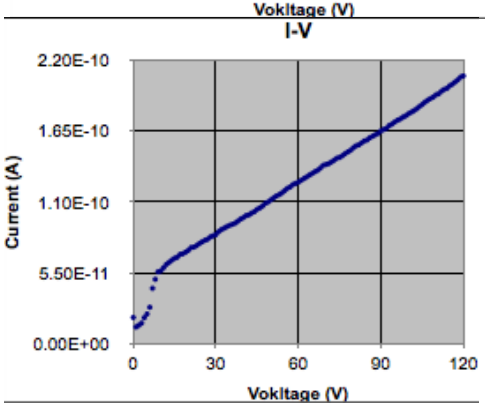

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)


I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

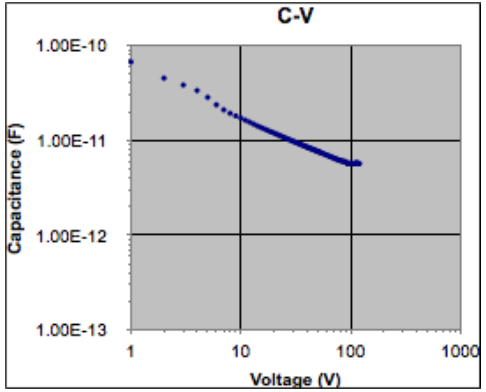

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

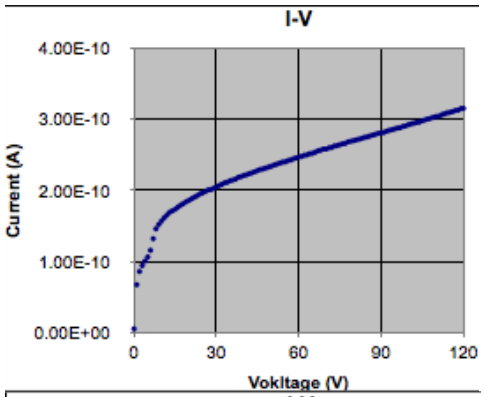

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
-1.50E-10
0
30
60
90
120
Voltage (V)

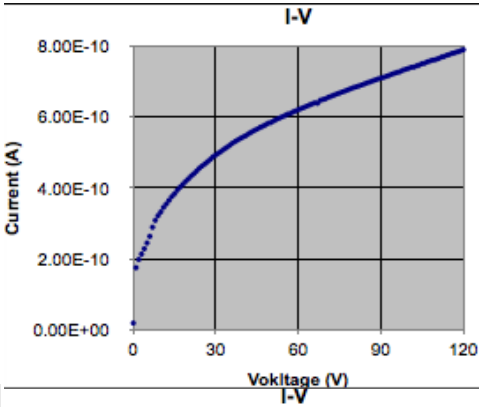

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

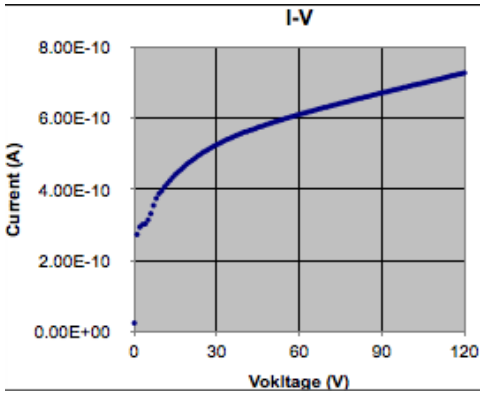

I-V
Current (A)
2.20E-10
1.65E-10
1.10E-10
5.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

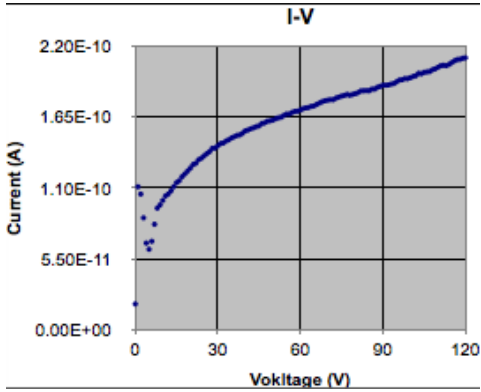
1282.2

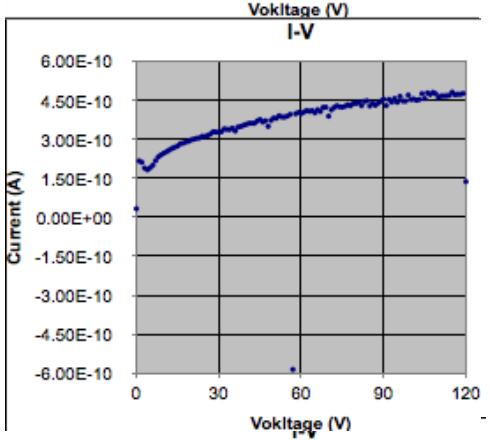

C-V
Capacitance (F)
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1
10
100
1000
Voltage (V)

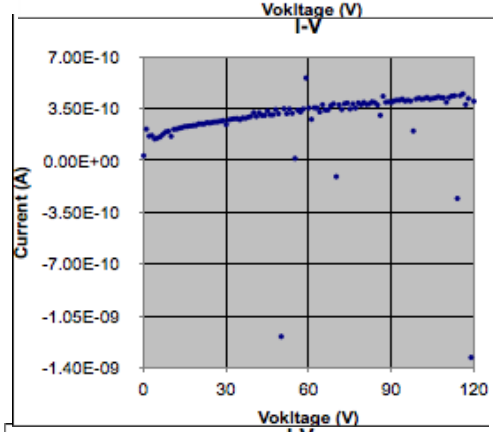

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)

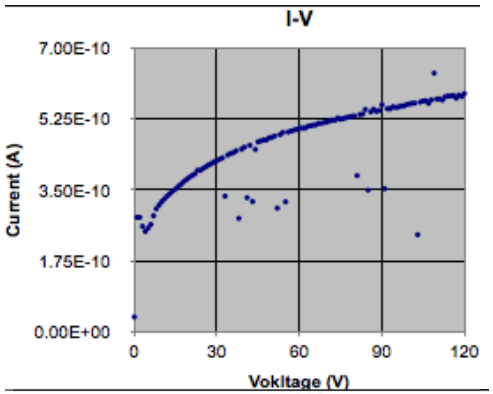

I-V
Current (A)
8.00E-10
6.00E-10
4.00E-10
2.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)

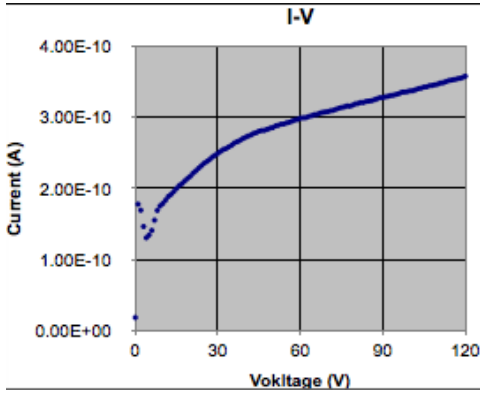

I-V
Current (A)
8.00E-10
6.00E-10
4.00E-10
2.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)

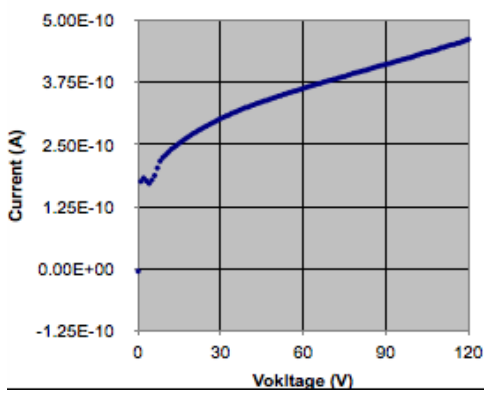

I-V
Current (A)
2.20E-10
1.65E-10
1.10E-10
5.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

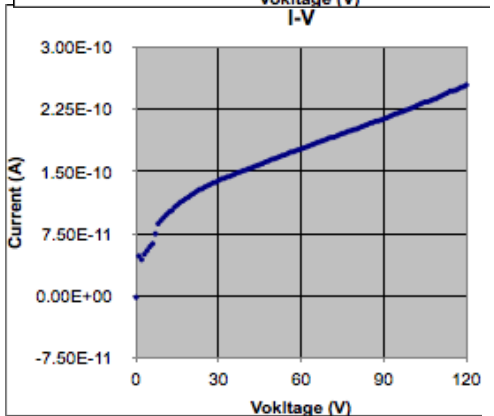

I-V
Current (A)
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
-1.50E-10
-3.00E-10
-4.50E-10
-6.00E-10
0
30
60
90
120
Voltage (V)

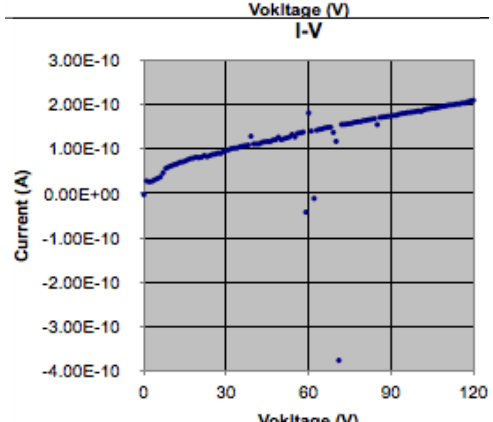

I-V
Current (A)
7.00E-10
3.50E-10
0.00E+00
-3.50E-10
-7.00E-10
-1.05E-09
-1.40E-09
0
30
60
90
120
Voltage (V)

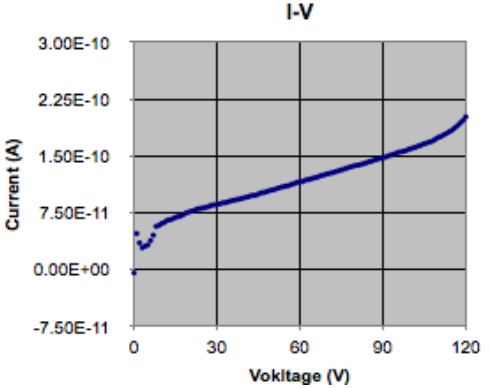

I-V
Current (A)
7.00E-10
5.25E-10
3.50E-10
1.75E-10
0.00E+00
0
30
60
90
120
Voltage (V)


I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)

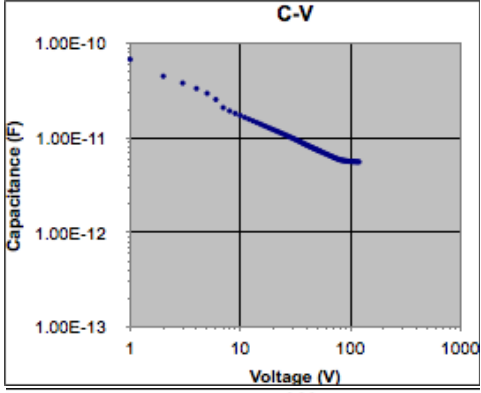

Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
-1.25E-10
0
30
60
90
120
Voltage (V)

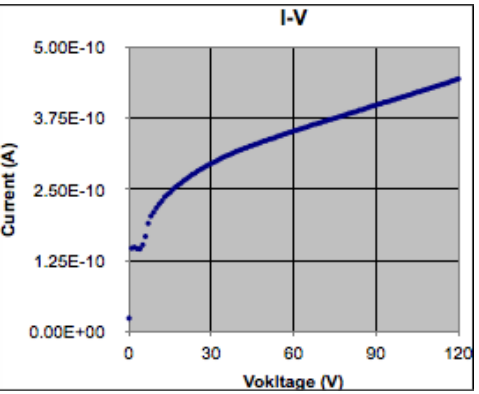

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
0
30
60
90
120
Voltage (V)

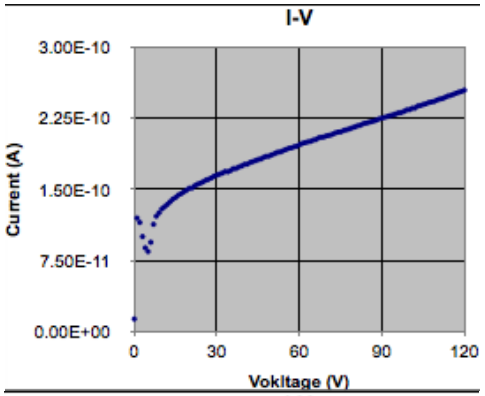

I-V
Current (A)
3.00E-10
2.00E-10
1.00E-10
0.00E+00
-1.00E-10
-2.00E-10
-3.00E-10
-4.00E-10
0
30
60
90
120
Voltage (V)

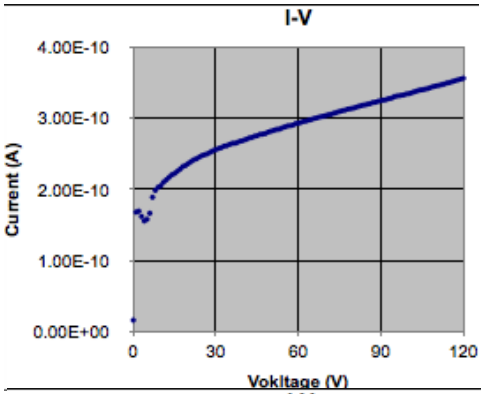

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
0
30
60
90
120
Voltage (V)

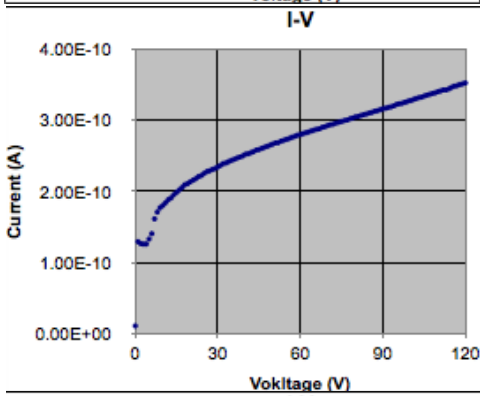
1282.3

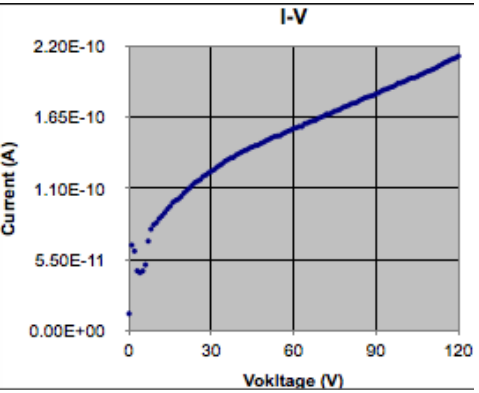

C-V
Capacitance (F)
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1
10
100
1000
Voltage (V)

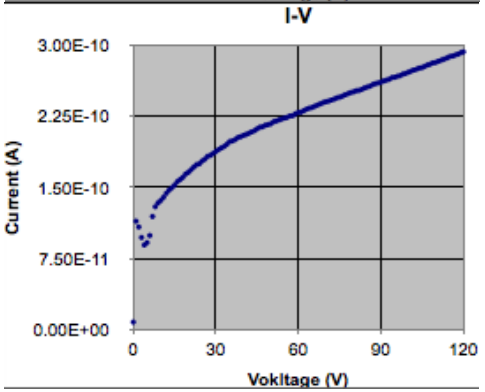

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
30
60
90
120
Voltage (V)

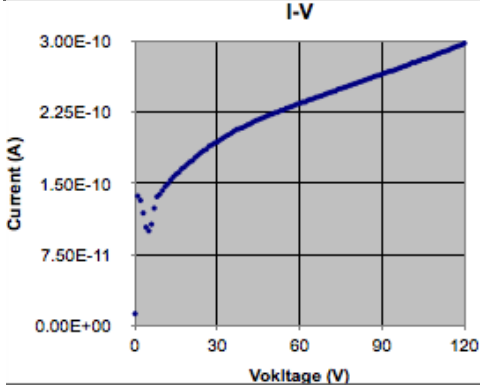

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

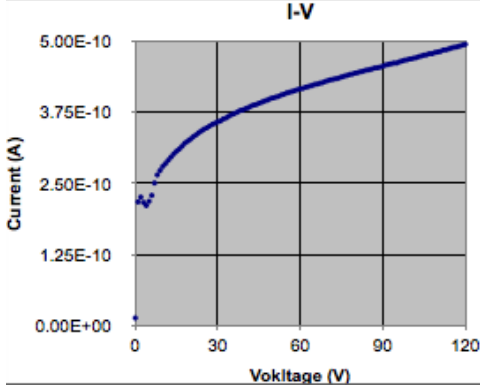

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)

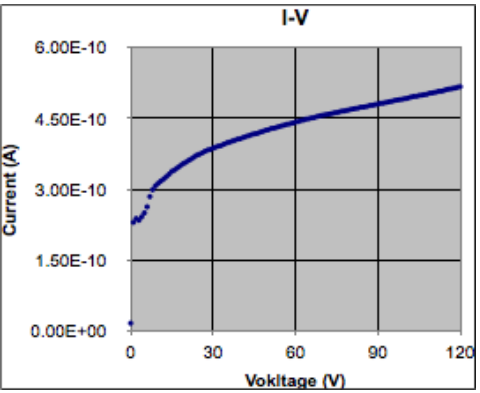

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)

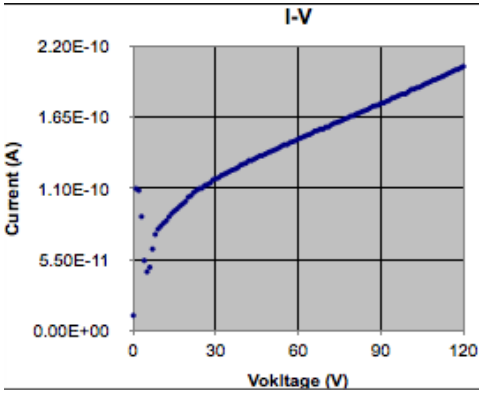

I-V
Current (A)
2.20E-10
1.65E-10
1.10E-10
5.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

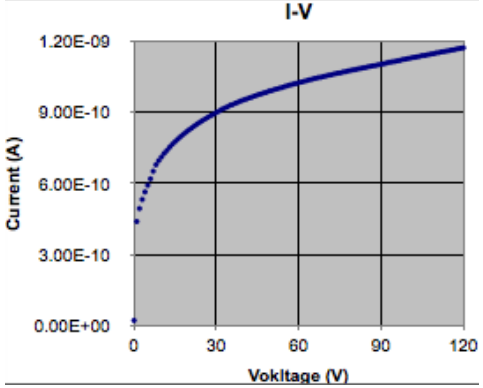

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

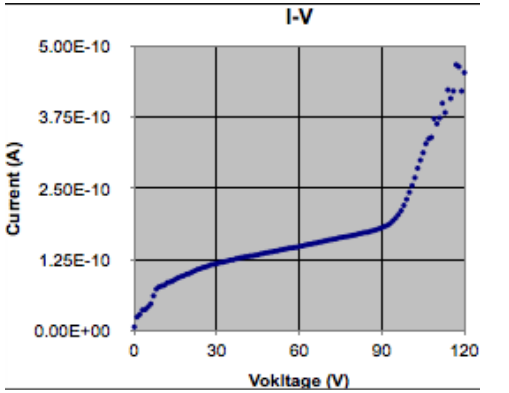

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)


I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
30
60
90
120
Voltage (V)

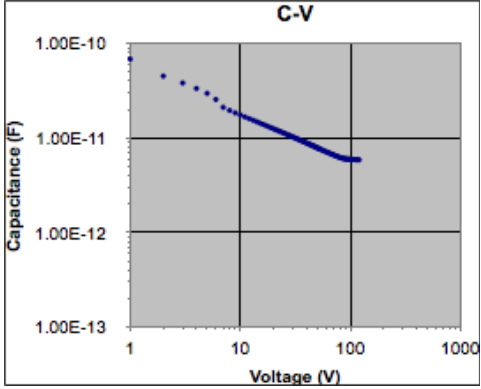

I-V
Current (A)
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
30
60
90
120
Voltage (V)

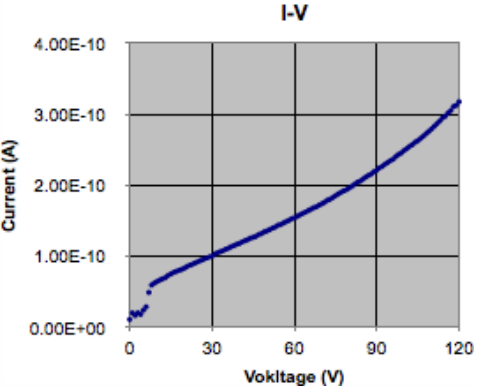

I-V
Current (A)
2.20E-10
1.65E-10
1.10E-10
5.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

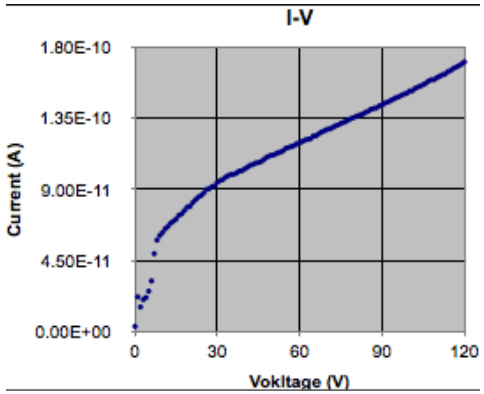

I-V
Current (A)
1.20E-09
9.00E-10
6.00E-10
3.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)

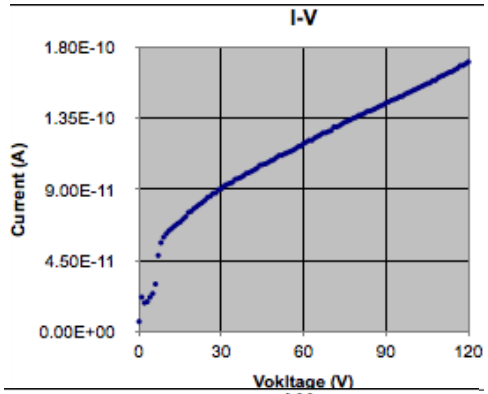

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
30
60
90
120
Voltage (V)

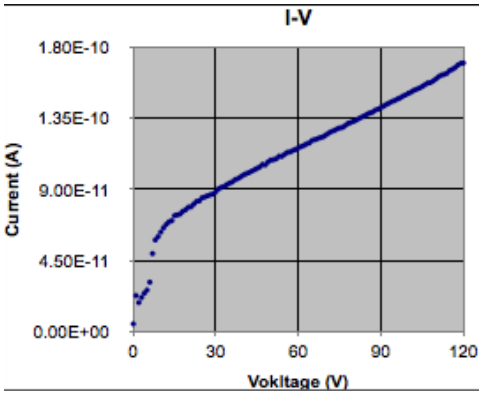
1282.4

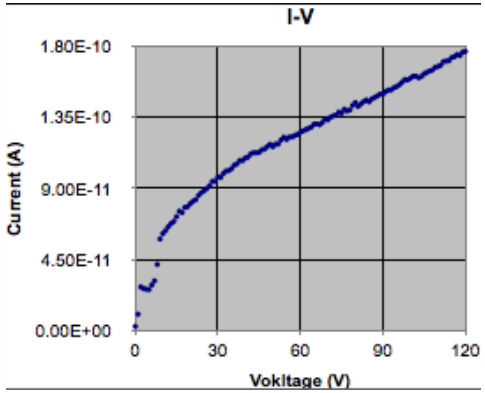

C-V
Capacitance (F)
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1
10
100
1000
Voltage (V)

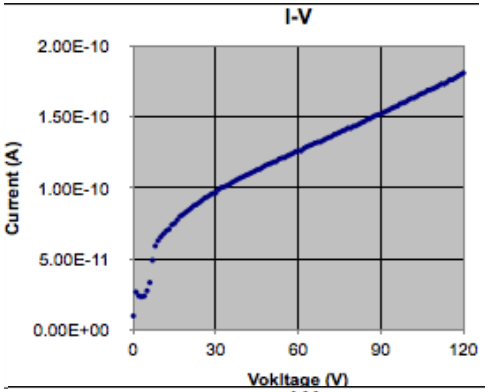

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)

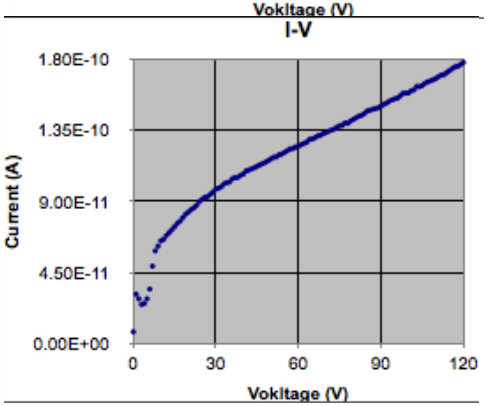

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

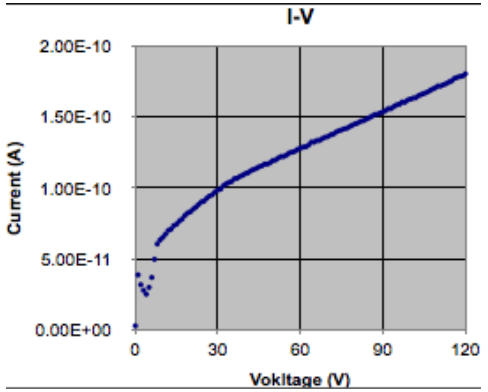

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

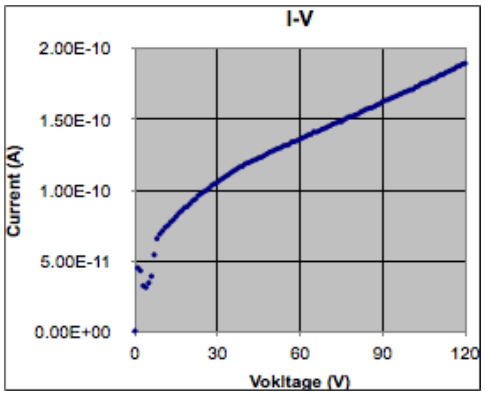

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

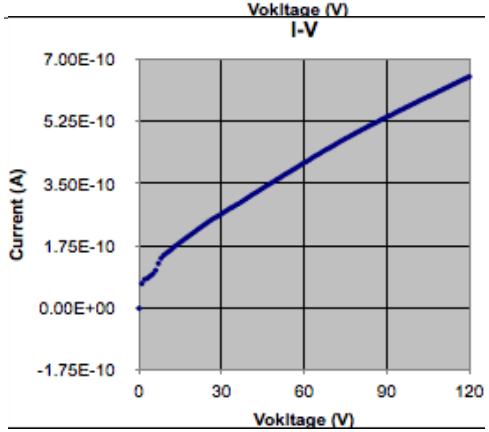

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

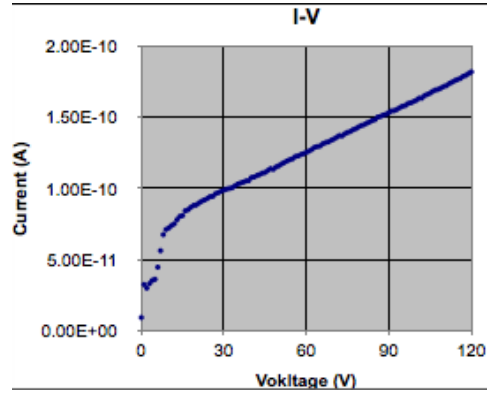

I-V
Current (A)
2.00E-10
1.50E-10
1.00E-10
5.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

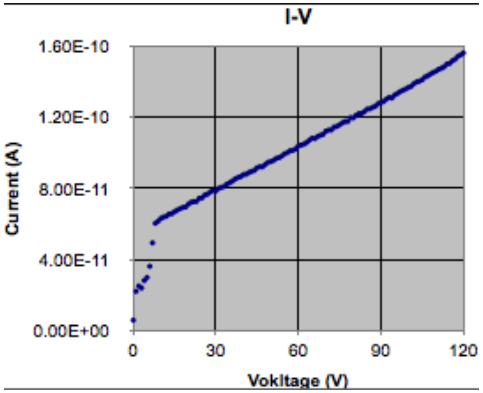

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)


I-V
Current (A)
2.00E-10
1.50E-10
1.00E-10
5.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

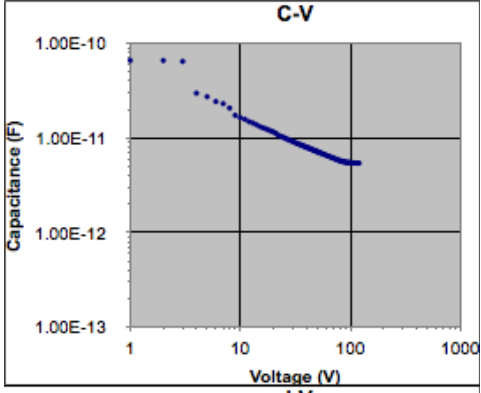

I-V
Current (A)
2.00E-10
1.50E-10
1.00E-10
5.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

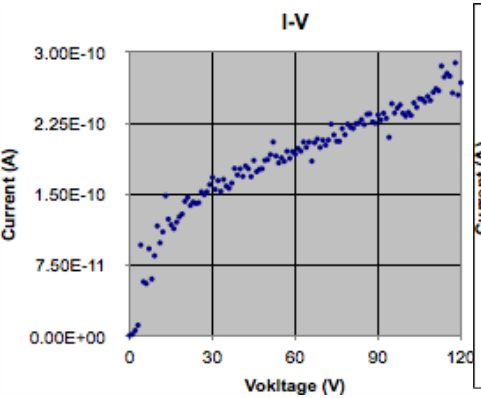

I-V
Current (A)
7.00E-10
5.25E-10
3.50E-10
1.75E-10
0.00E+00
-1.75E-10
0
30
60
90
120
Voltage (V)

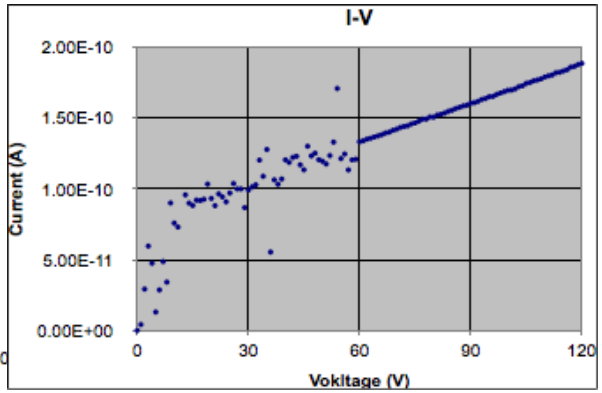

I-V
Current (A)
2.00E-10
1.50E-10
1.00E-10
5.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

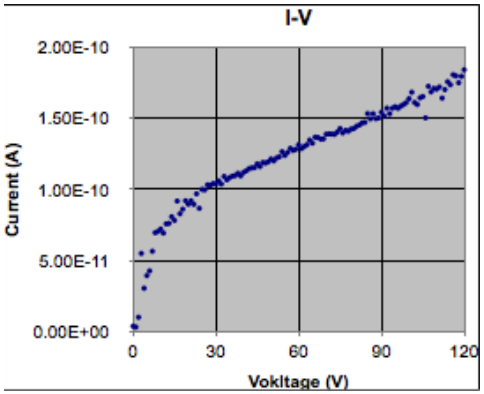

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

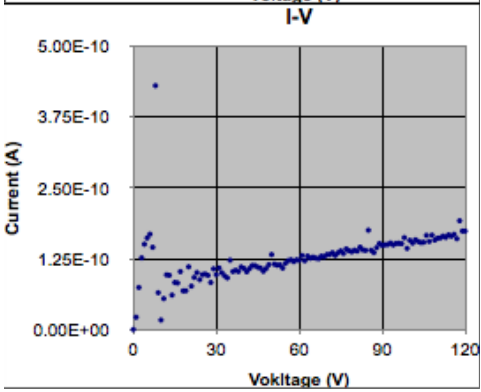
1282.5

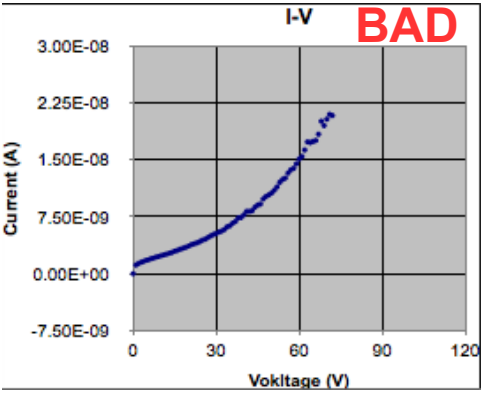

C-V
Capacitance (F)
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1
10
100
1000
Voltage (V)

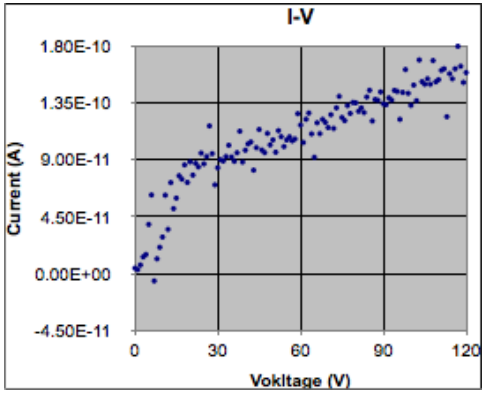

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

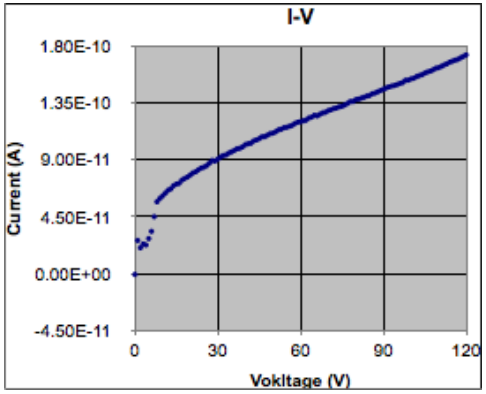

I-V
Current (A)
2.00E-10
1.50E-10
1.00E-10
5.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

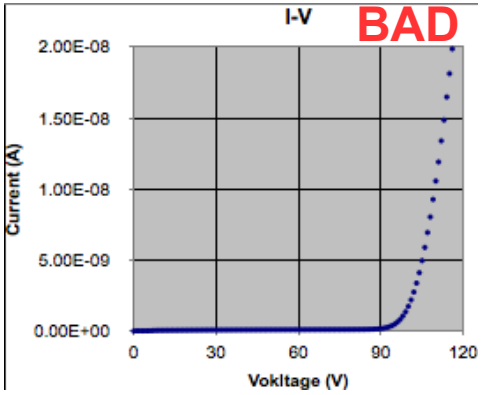

I-V
Current (A)
2.00E-10
1.50E-10
1.00E-10
5.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

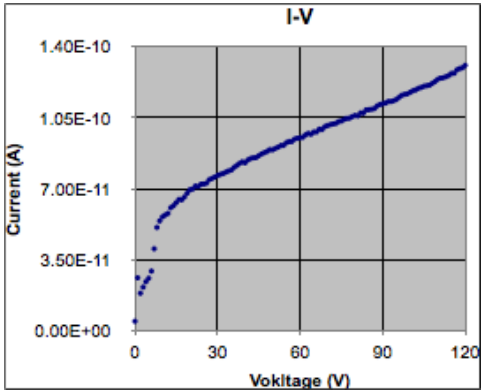

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
30
60
90
120
Voltage (V)

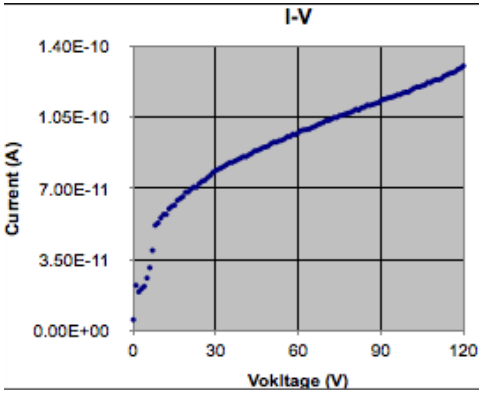

I-V
BAD
Current (A)
3.00E-08
2.25E-08
1.50E-08
7.50E-09
0.00E+00
-7.50E-09
0
30
60
90
120
Voltage (V)

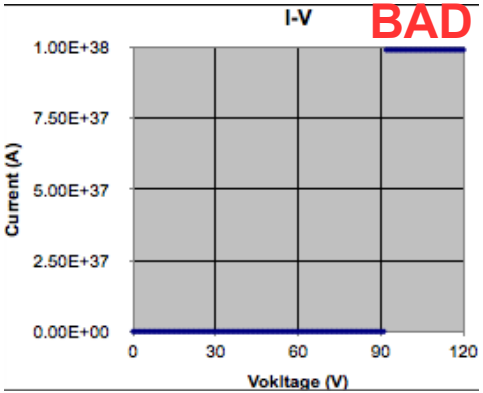

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
-4.50E-11
0
30
60
90
120
Voltage (V)

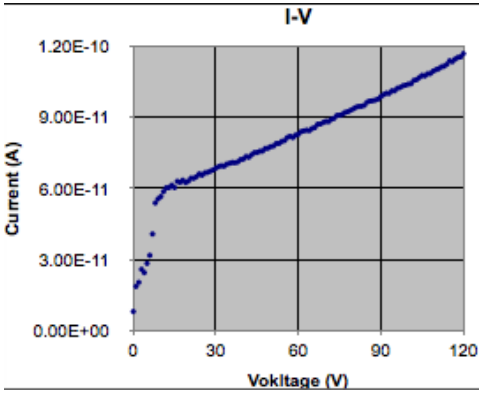

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
-4.50E-11
0
30
60
90
120
Voltage (V)


I-V
BAD
Current (A)
2.00E-08
1.50E-08
1.00E-08
5.00E-09
0.00E+00
0
30
60
90
120
Voltage (V)

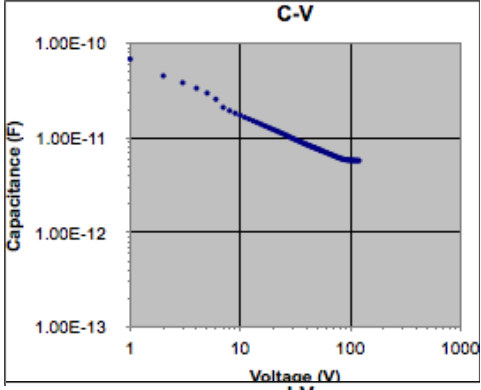

I-V
Current (A)
1.40E-10
1.05E-10
7.00E-11
3.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

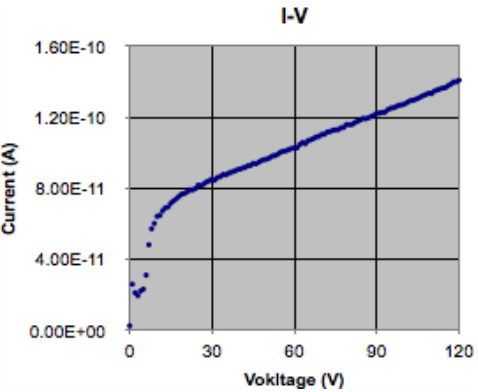

I-V
Current (A)
1.40E-10
1.05E-10
7.00E-11
3.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

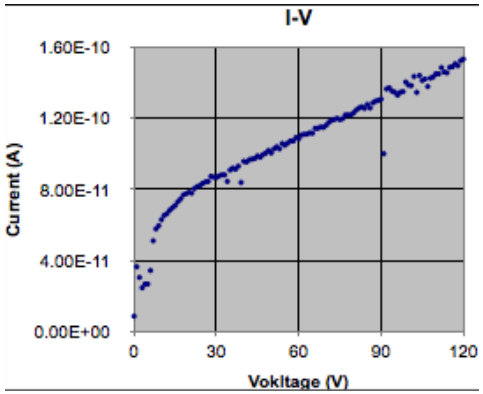

I-V
BAD
Current (A)
1.00E+38
7.50E+37
5.00E+37
2.50E+37
0.00E+00
0
30
60
90
120
Voltage (V)

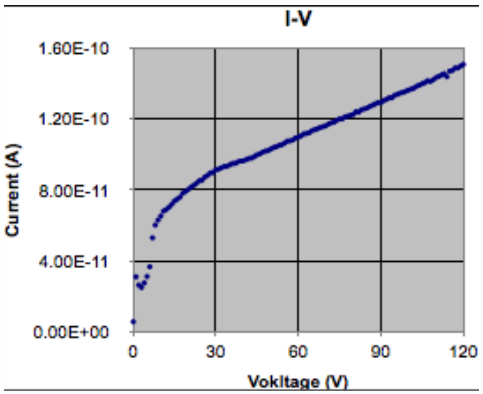

I-V
Current (A)
1.20E-10
9.00E-11
6.00E-11
3.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

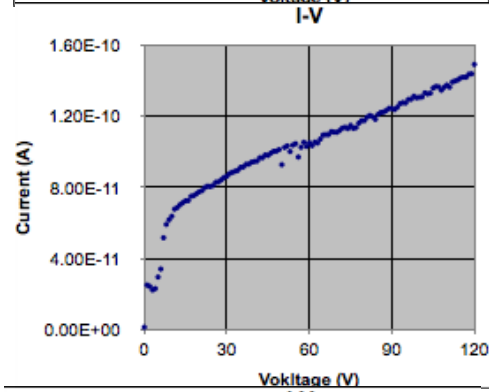
1282.6

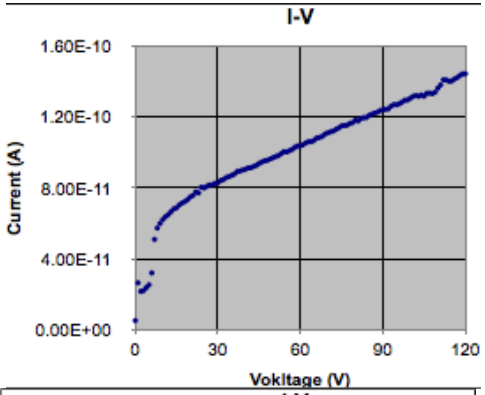

C-V
Capacitance (F)
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1
10
100
1000
Voltage (V)

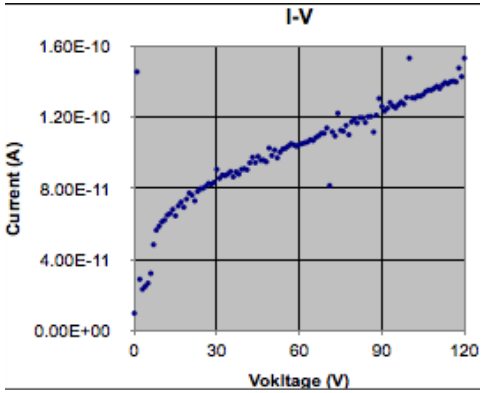

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

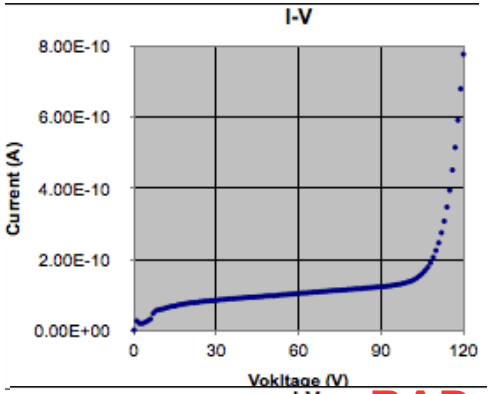

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

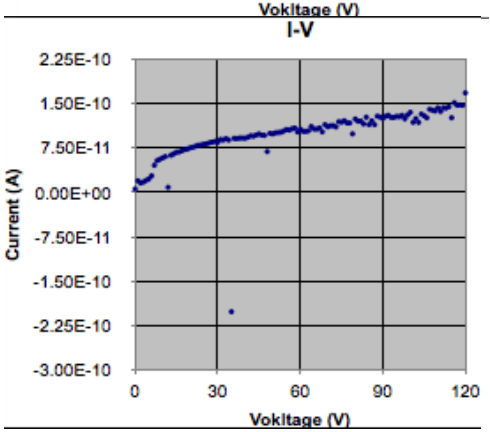

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

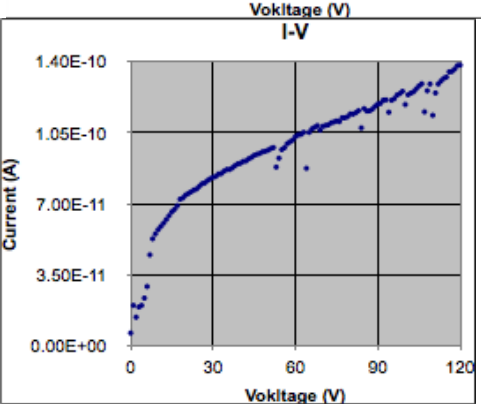

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

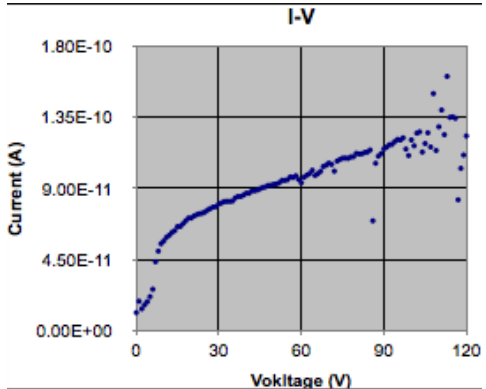

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

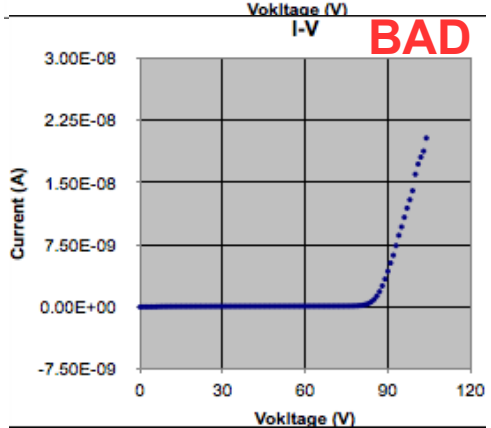

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

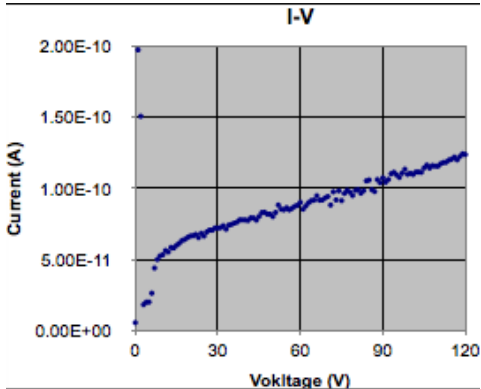

I-V
Current (A)
8.00E-10
6.00E-10
4.00E-10
2.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)


I-V
Current (A)
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
-1.50E-10
-2.25E-10
-3.00E-10
0
30
60
90
120
Voltage (V)

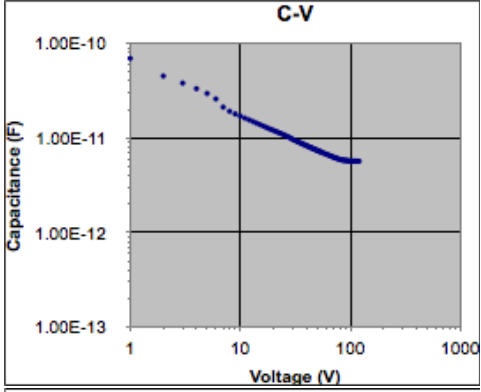

I-V
Current (A)
1.40E-10
1.05E-10
7.00E-11
3.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

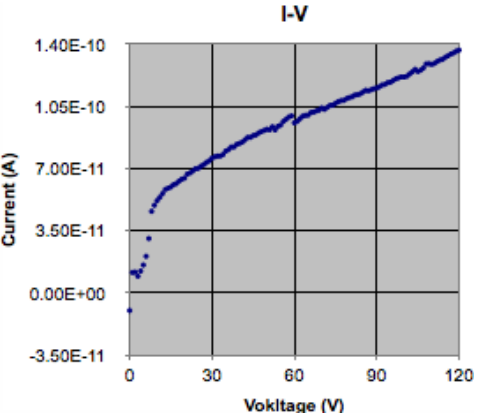

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

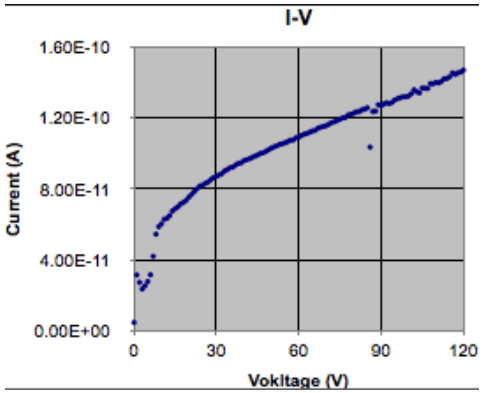

I-V
BAD
Current (A)
3.00E-08
2.25E-08
1.50E-08
7.50E-09
0.00E+00
-7.50E-09
0
30
60
90
120
Voltage (V)

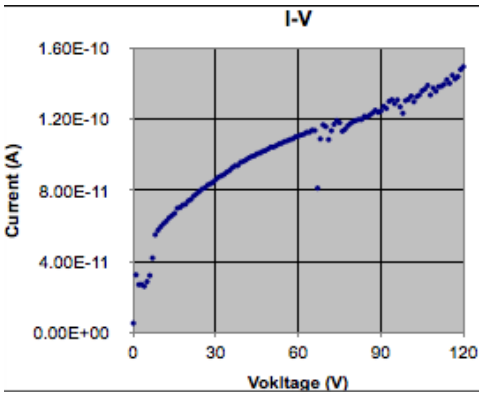

I-V
Current (A)
2.00E-10
1.50E-10
1.00E-10
5.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

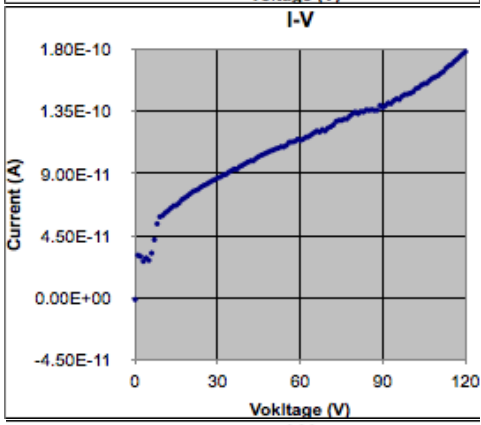
1282.7

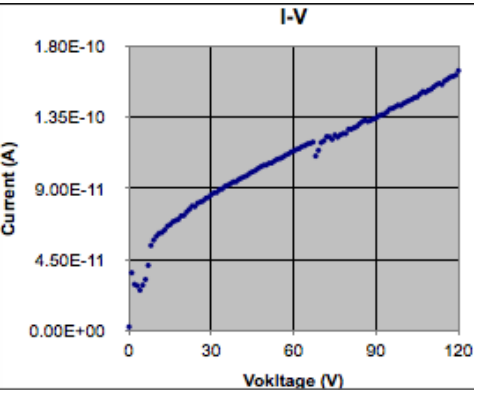

C-V
Capacitance (F)
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1
10
100
1000
Voltage (V)

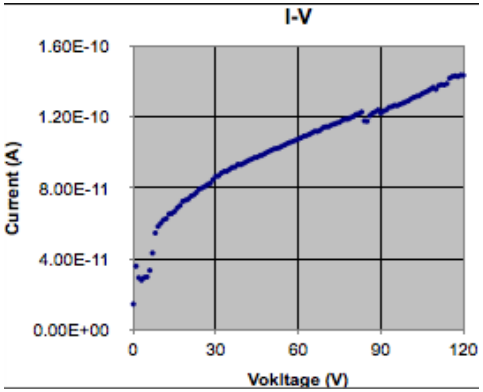

I-V
Current (A)
1.40E-10
1.05E-10
7.00E-11
3.50E-11
0.00E+00
-3.50E-11
0
30
60
90
120
Voltage (V)

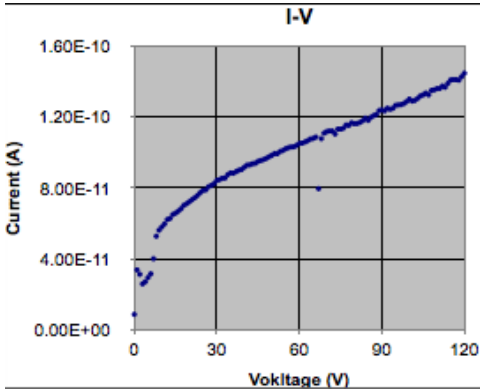

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

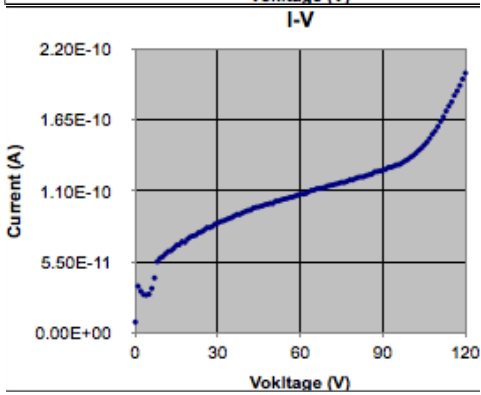

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

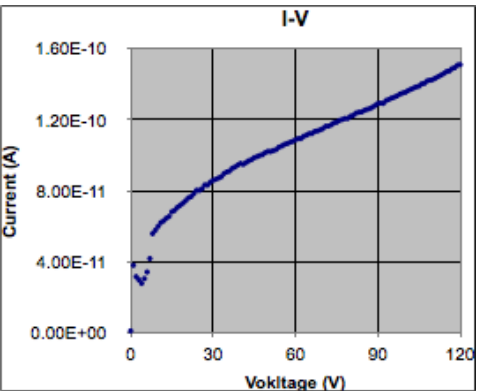

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
-4.50E-11
0
30
60
90
120
Voltage (V)

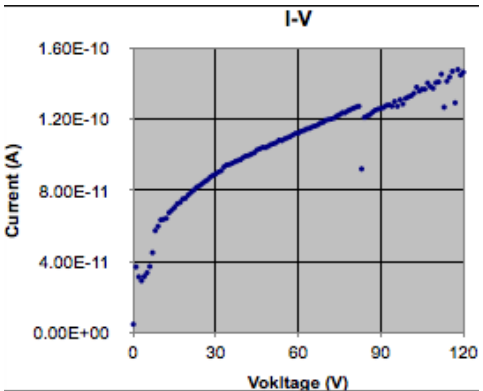

I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

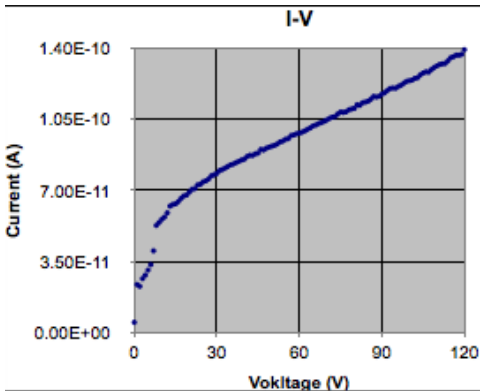

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

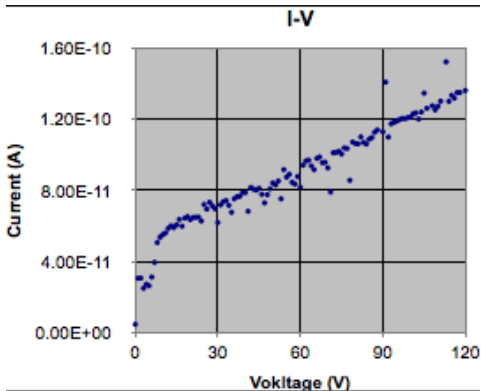

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)


I-V
Current (A)
2.20E-10
1.65E-10
1.10E-10
5.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

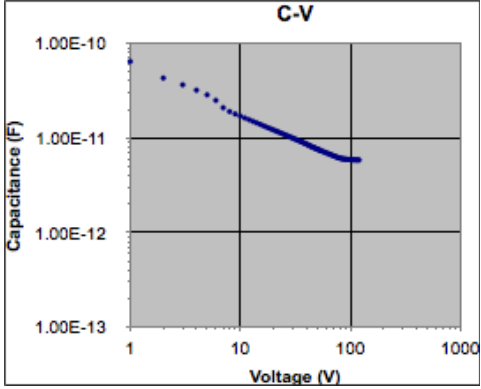

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

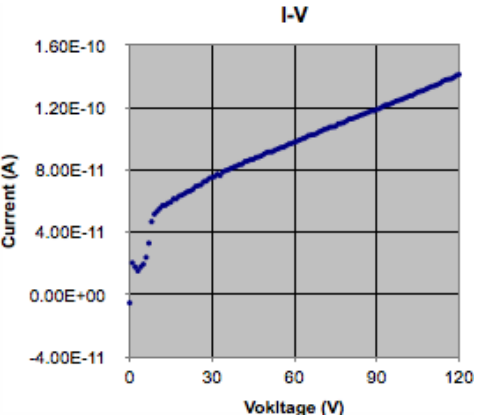

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

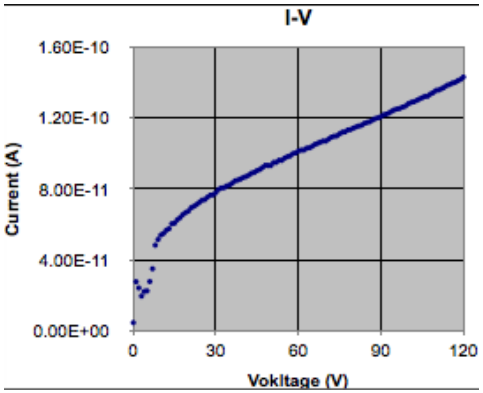

I-V
Current (A)
1.40E-10
1.05E-10
7.00E-11
3.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

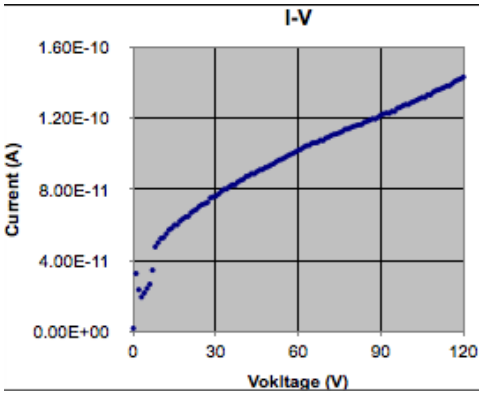

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

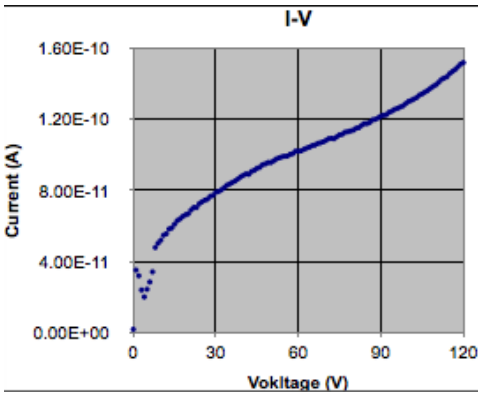
1282.8

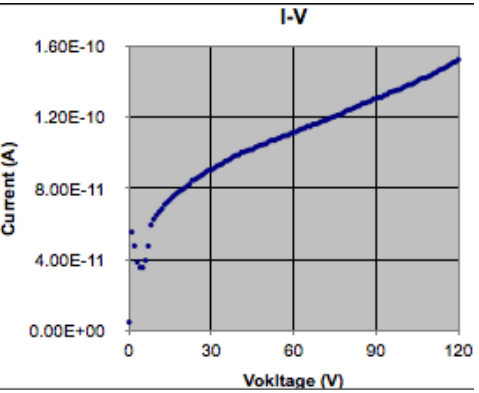

C-V
Capacitance (F)
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1
10
100
1000
Voltage (V)

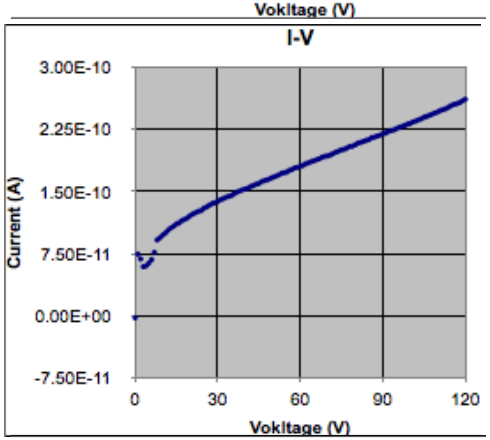

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
-4.00E-11
0
30
60
90
120
Voltage (V)

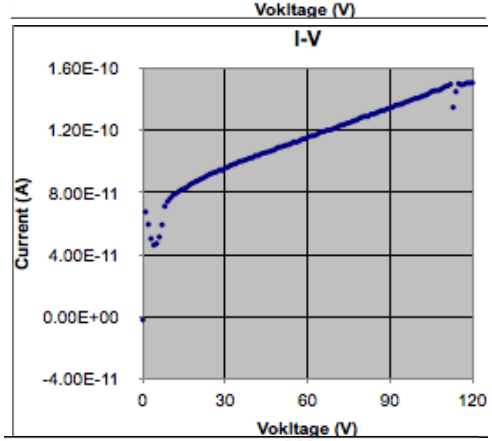

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

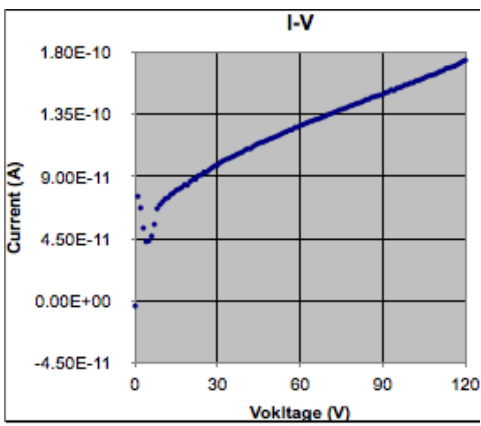

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

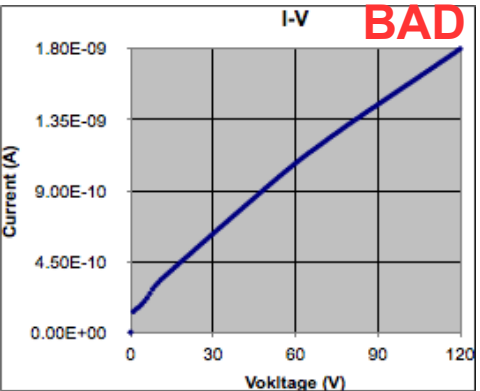

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

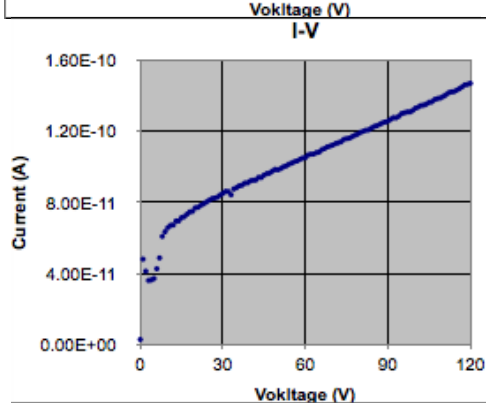

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

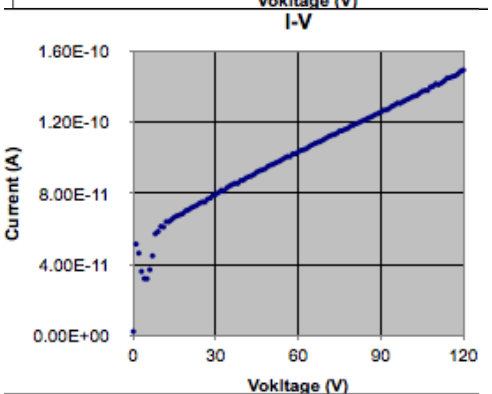

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
0
30
60
90
120
Voltage (V)

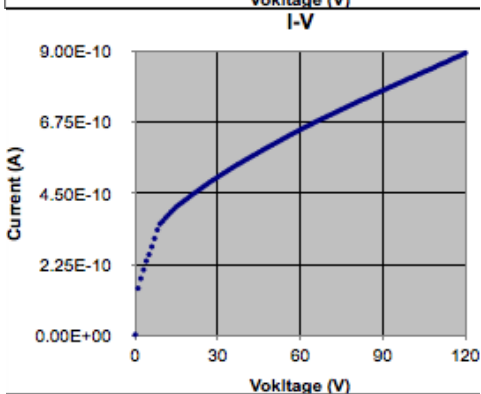

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
-4.00E-11
0
30
60
90
120
Voltage (V)


I-V
Current (A)
1.80E-10
1.35E-10
9.00E-11
4.50E-11
0.00E+00
-4.50E-11
0
30
60
90
120
Voltage (V)

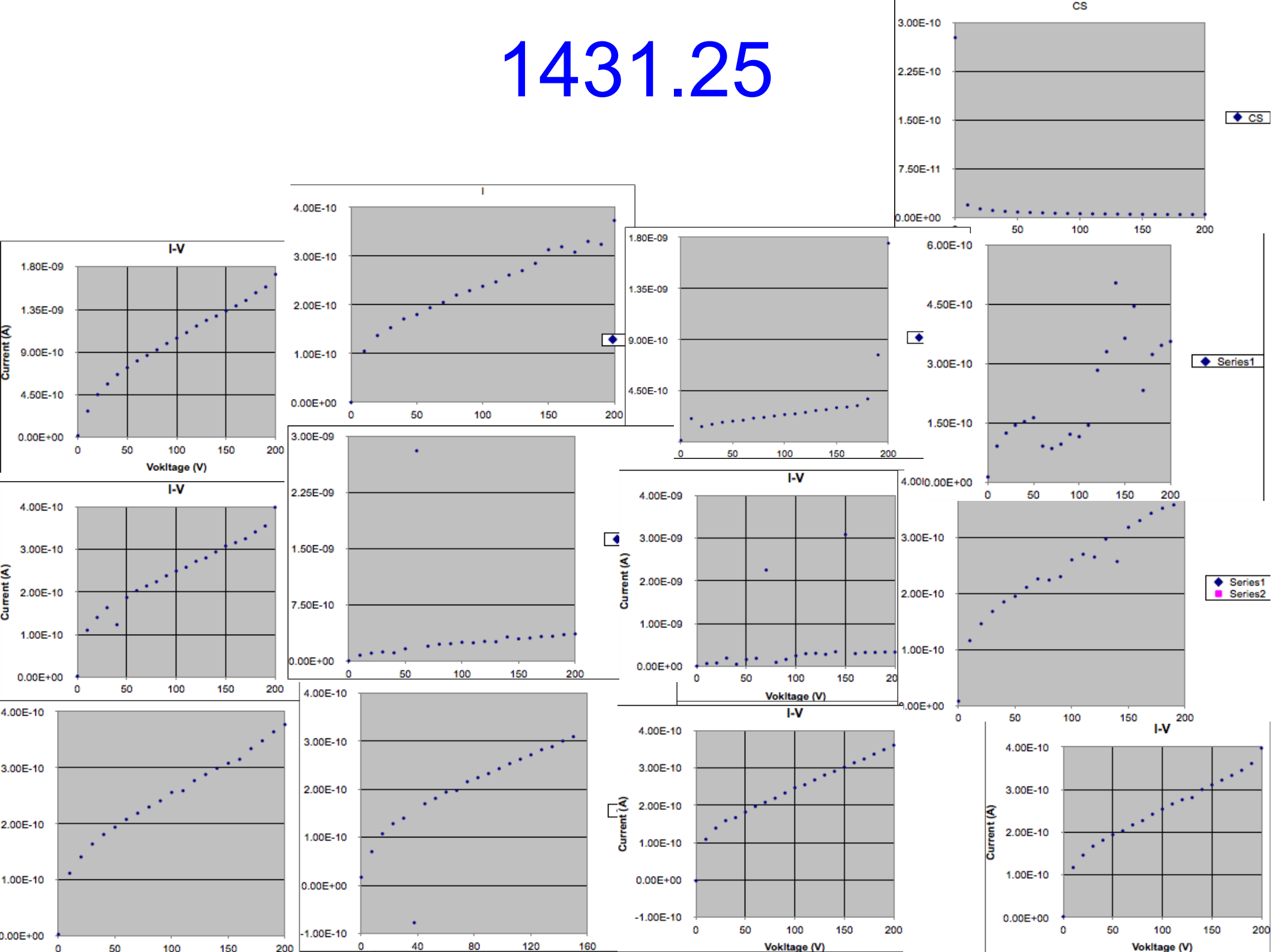

I-V
BAD
Current (A)
1.80E-09
1.35E-09
9.00E-10
4.50E-10
0.00E+00
0
30
60
90
120
Voltage (V)


I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

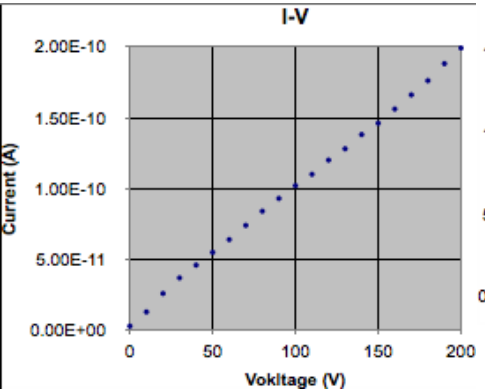

I-V
Current (A)
1.60E-10
1.20E-10
8.00E-11
4.00E-11
0.00E+00
0
30
60
90
120
Voltage (V)

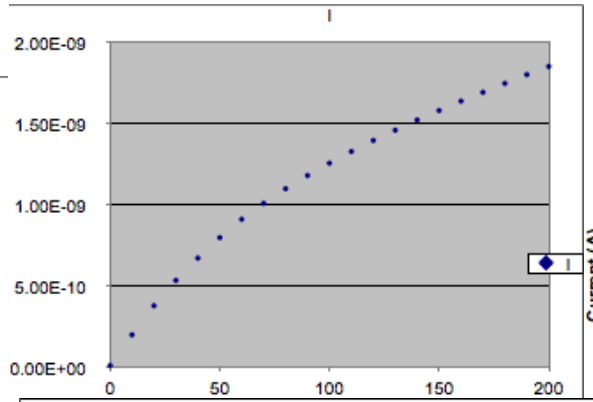

I-V
Current (A)
9.00E-10
6.75E-10
4.50E-10
2.25E-10
0.00E+00
0
30
60
90
120
Voltage (V)

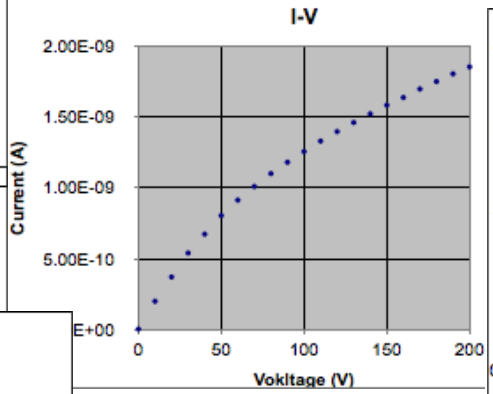
1431.25

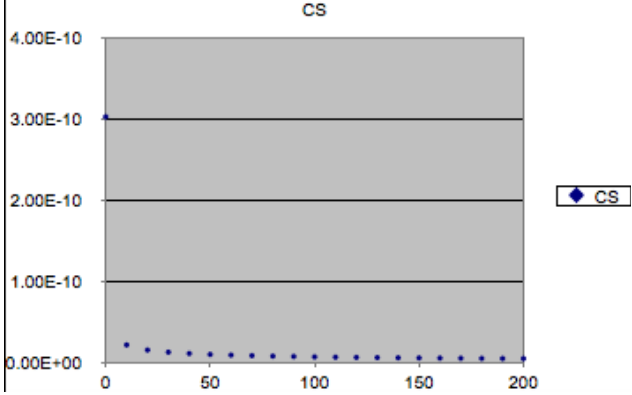

CS
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0 50 100 150 200
CS
I
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0 50 100 150 200
I-V
Current (A)
1.80E-09
1.35E-09
9.00E-10
4.50E-10
0.00E+00
0 50 100 150 200
Voltage (V)
1.80E-09
1.35E-09
9.00E-10
4.50E-10
0 50 100 150 200
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0 50 100 150 200
Series1
I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0 50 100 150 200
3.00E-09
2.25E-09
1.50E-09
7.50E-10
0.00E+00
0 50 100 150 200
I-V
Current (A)
4.00E-09
3.00E-09
2.00E-09
1.00E-09
0.00E+00
0 50 100 150 200
Voltage (V)
3.00E-10
2.00E-10
1.00E-10
0 50 100 150 200
Series1
Series2
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0 50 100 150 200
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
-1.00E-10
0 40 80 120 160
I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
-1.00E-10
0 50 100 150 200
Voltage (V)
I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0 50 100 150 200
Voltage (V)

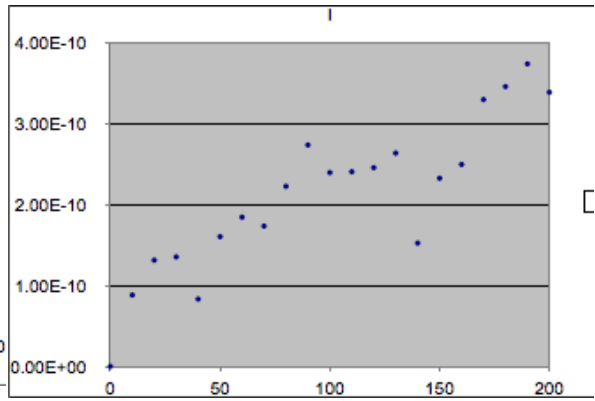
1431.26

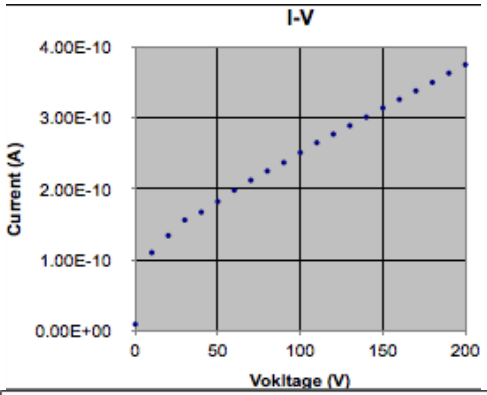

I-V
Current (A)
Voltage (V)

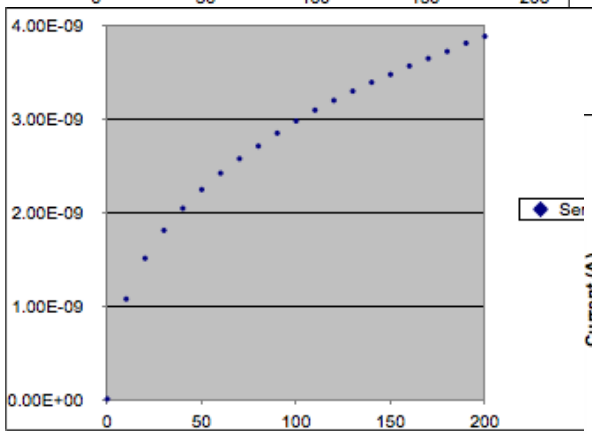

I

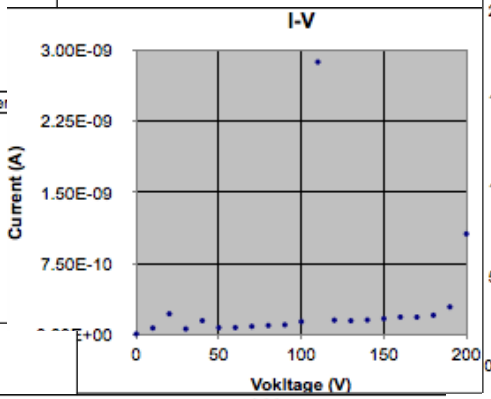

I-V
Current (A)
Voltage (V)

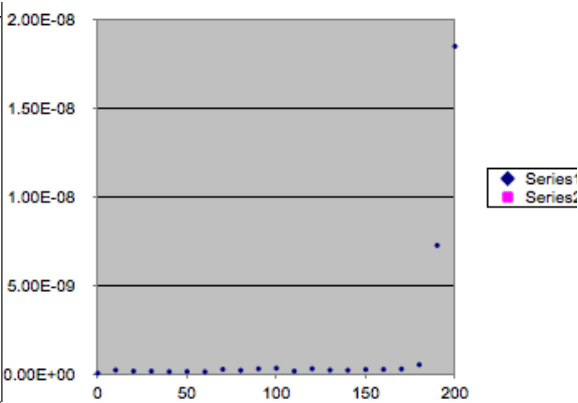

CS

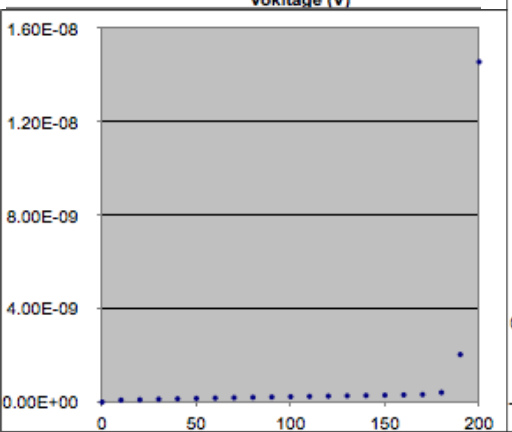

I

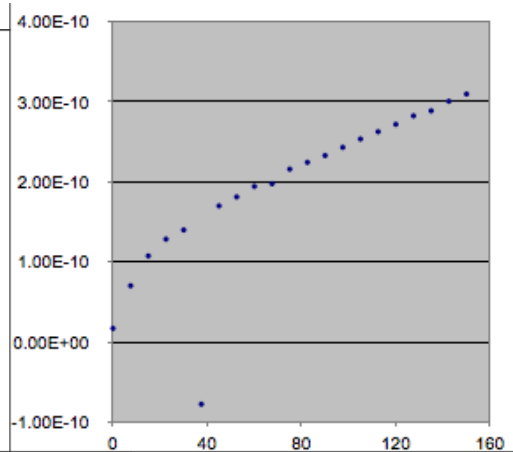

I-V
Current (A)
Voltage (V)

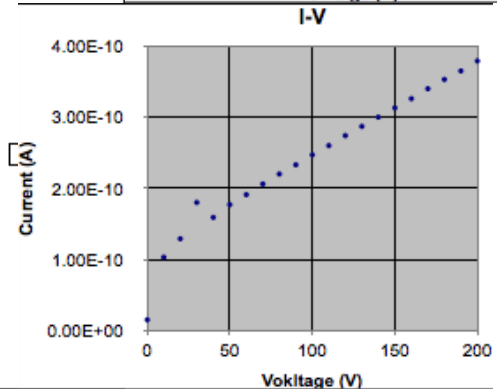


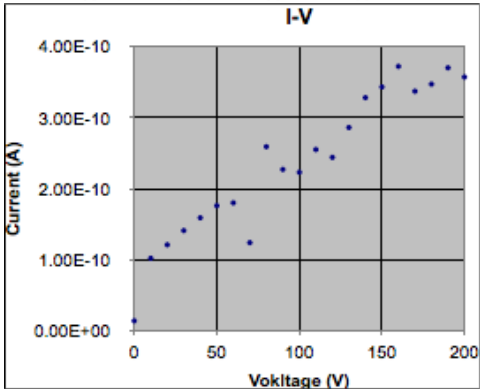

I-V
Current (A)
Voltage (V)


Series1
Series2

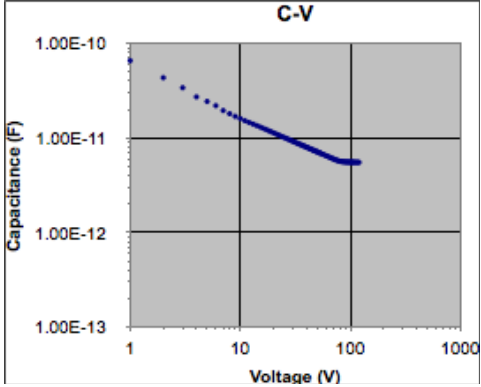


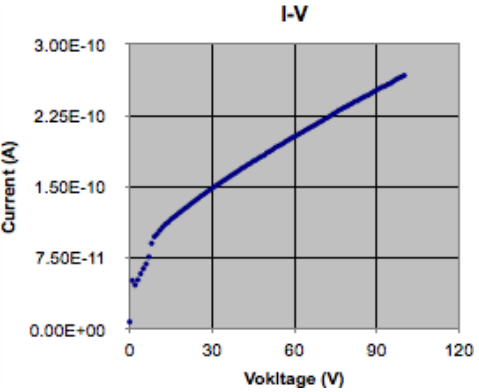


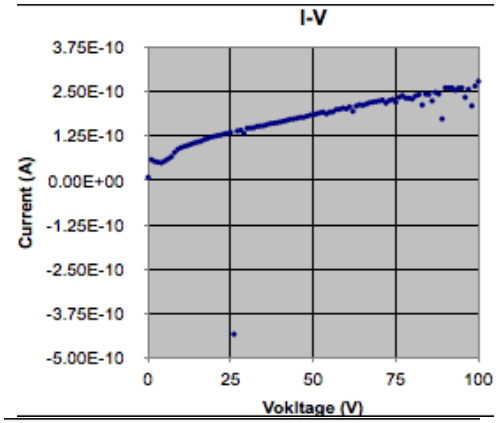

I-V
Current (A)
Voltage (V)

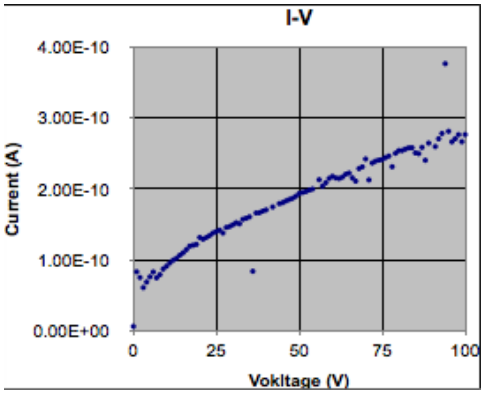

I-V
Current (A)
Voltage (V)

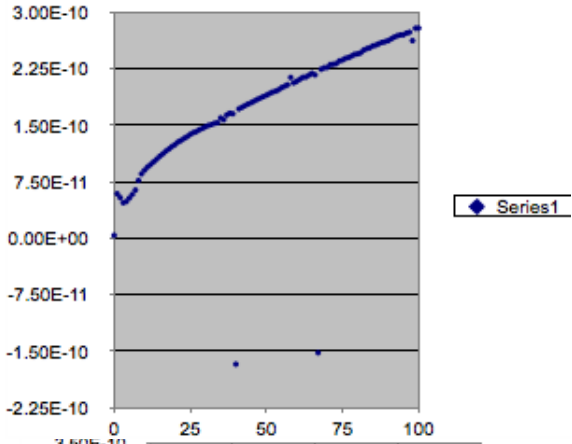
1432.9

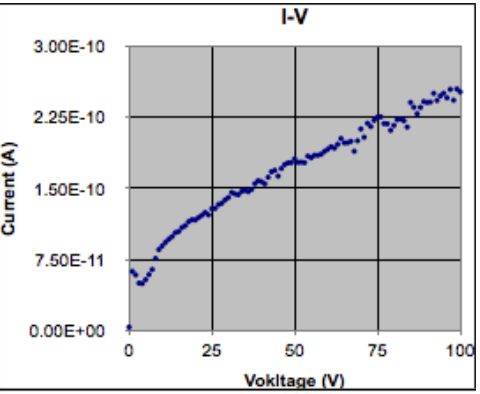

C-V
Capacitance (F)
1.00E-10
1.00E-11
1.00E-12
1.00E-13
1
10
100
1000
Voltage (V)

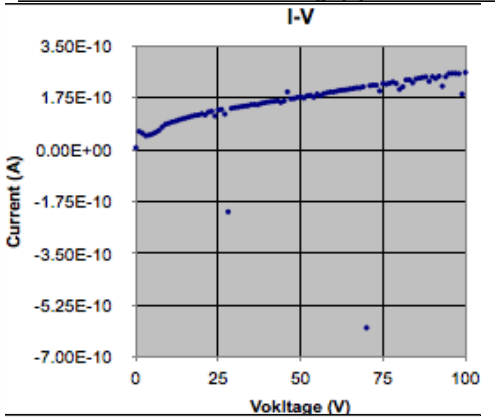

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
30
60
90
120
Voltage (V)

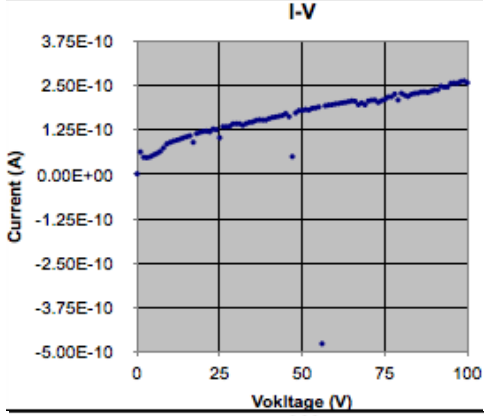

I-V
Current (A)
3.75E-10
2.50E-10
1.25E-10
0.00E+00
-1.25E-10
-2.50E-10
-3.75E-10
-5.00E-10
0
25
50
75
100
Voltage (V)

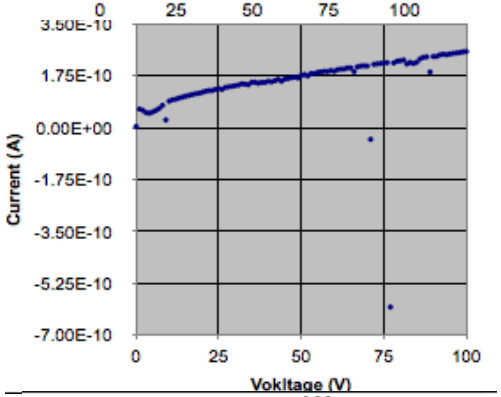

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
25
50
75
100
Voltage (V)

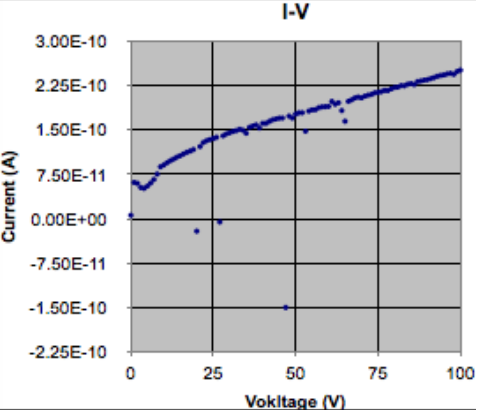

3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
-1.50E-10
-2.25E-10
0
25
50
75
100
Series1

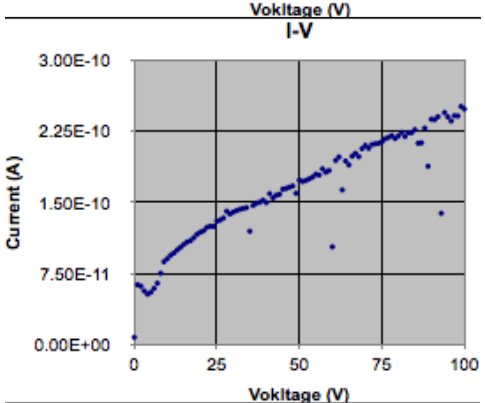

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
25
50
75
100
Voltage (V)

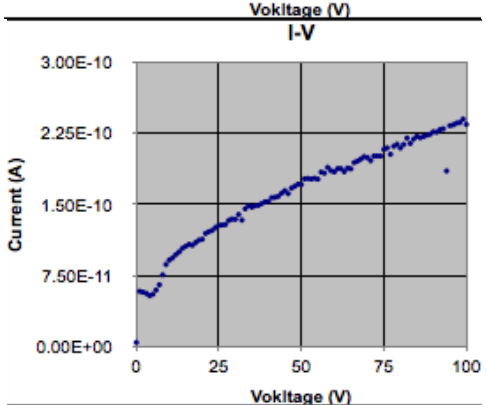

I-V
Current (A)
3.50E-10
1.75E-10
0.00E+00
-1.75E-10
-3.50E-10
-5.25E-10
-7.00E-10
0
25
50
75
100
Voltage (V)

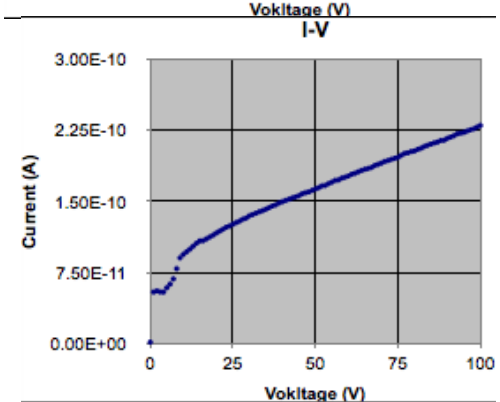

I-V
Current (A)
3.75E-10
2.50E-10
1.25E-10
0.00E+00
-1.25E-10
-2.50E-10
-3.75E-10
-5.00E-10
0
25
50
75
100
Voltage (V)


3.50E-10
1.75E-10
0.00E+00
-1.75E-10
-3.50E-10
-5.25E-10
-7.00E-10
0
25
50
75
100
Voltage (V)

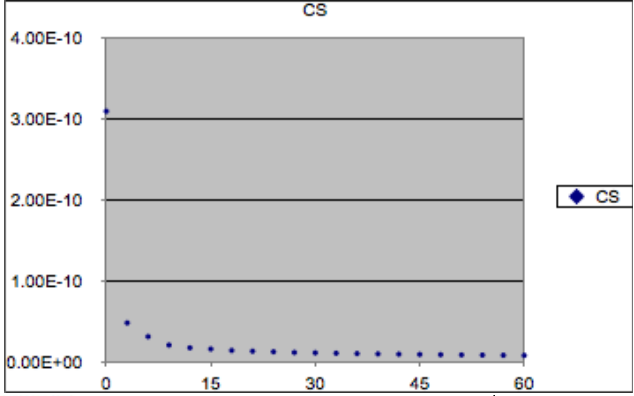

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
-1.50E-10
-2.25E-10
0
25
50
75
100
Voltage (V)

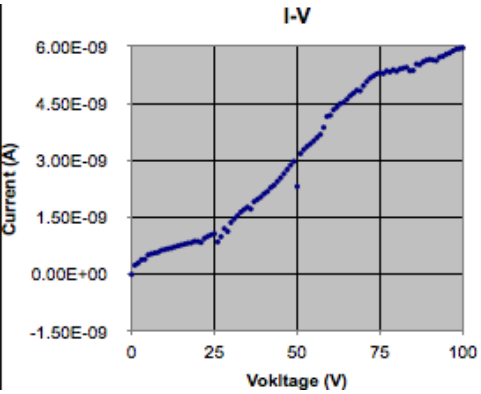

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
25
50
75
100
Voltage (V)

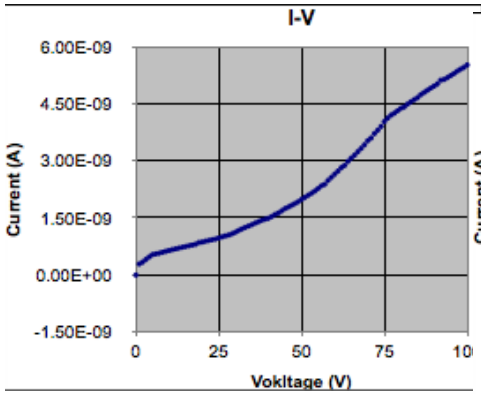

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
25
50
75
100
Voltage (V)

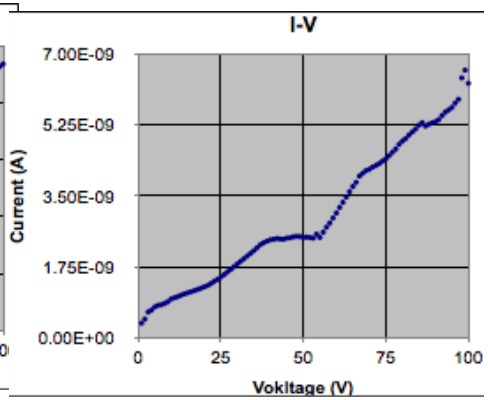

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
25
50
75
100
Voltage (V)

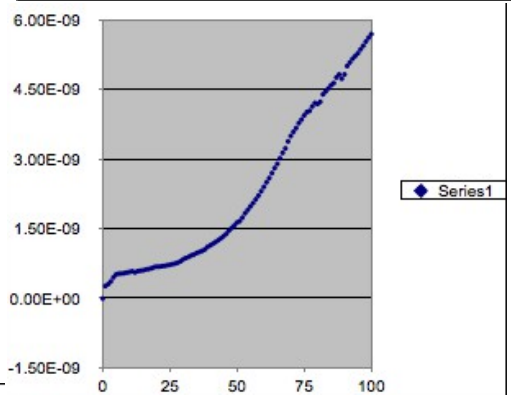
1432.10

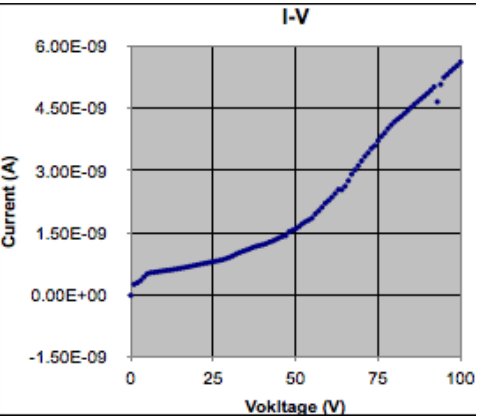

CS
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
15
30
45
60
CS

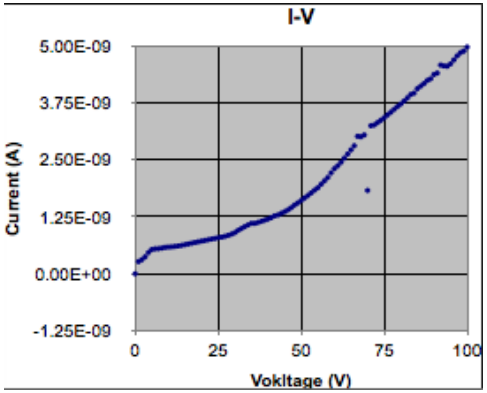

I-V
Current (A)
6.00E-09
4.50E-09
3.00E-09
1.50E-09
0.00E+00
-1.50E-09
0
25
50
75
100
Voltage (V)

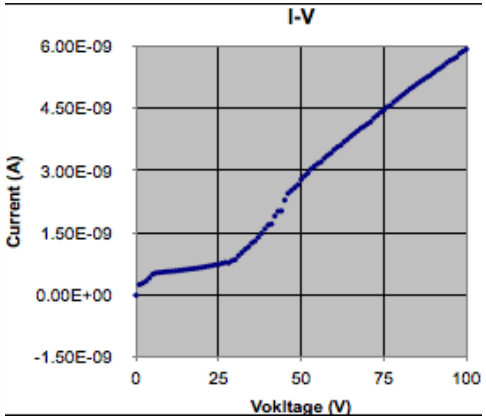

I-V
Current (A)
6.00E-09
4.50E-09
3.00E-09
1.50E-09
0.00E+00
-1.50E-09
0
25
50
75
10
Voltage (V)

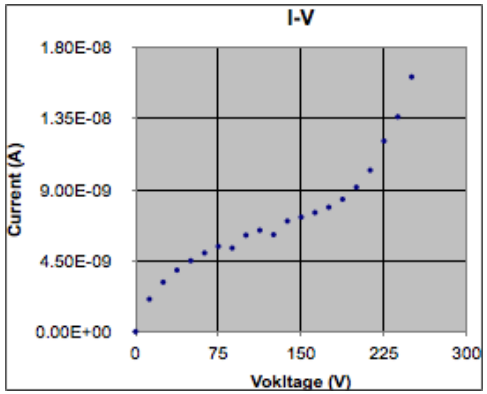

I-V
Current (A)
7.00E-09
5.25E-09
3.50E-09
1.75E-09
0.00E+00
0
25
50
75
100
Voltage (V)

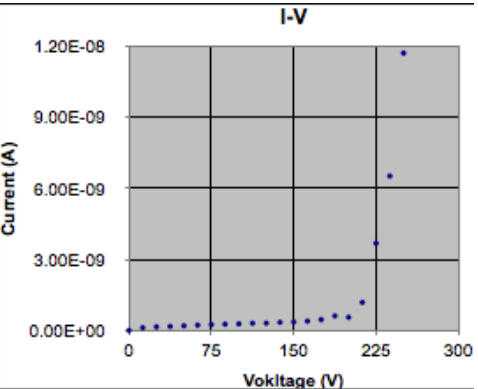

6.00E-09
4.50E-09
3.00E-09
1.50E-09
0.00E+00
-1.50E-09
0
25
50
75
100
Series1

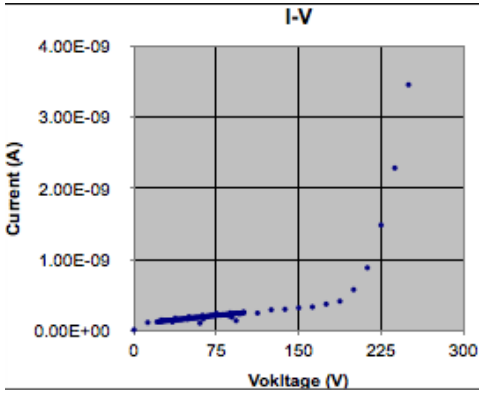

I-V
Current (A)
6.00E-09
4.50E-09
3.00E-09
1.50E-09
0.00E+00
-1.50E-09
0
25
50
75
100
Voltage (V)

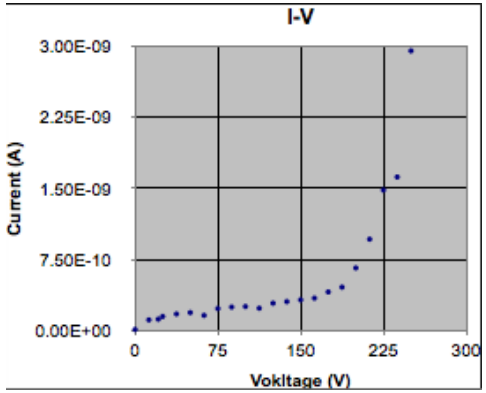

I-V
Current (A)
5.00E-09
3.75E-09
2.50E-09
1.25E-09
0.00E+00
-1.25E-09
0
25
50
75
100
Voltage (V)

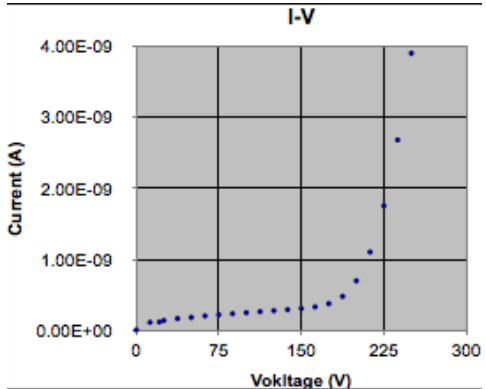

I-V
Current (A)
6.00E-09
4.50E-09
3.00E-09
1.50E-09
0.00E+00
-1.50E-09
0
25
50
75
100
Voltage (V)


I-V
Current (A)
1.80E-08
1.35E-08
9.00E-09
4.50E-09
0.00E+00
0
75
150
225
300
Voltage (V)

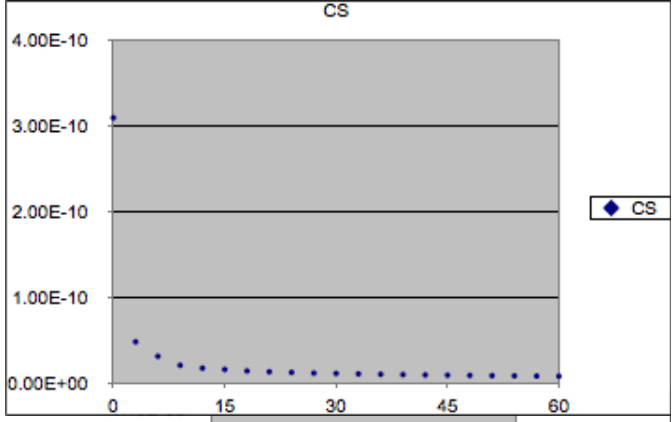

I-V
Current (A)
1.20E-08
9.00E-09
6.00E-09
3.00E-09
0.00E+00
0
75
150
225
300
Voltage (V)

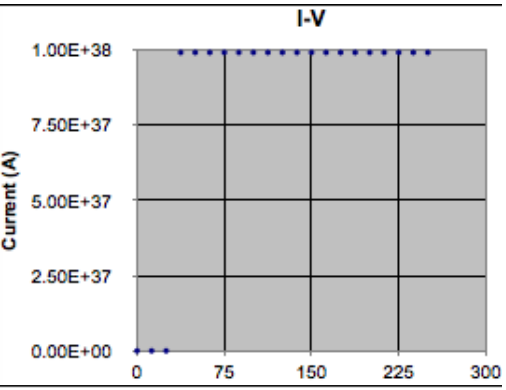

I-V
Current (A)
4.00E-09
3.00E-09
2.00E-09
1.00E-09
0.00E+00
0
75
150
225
300
Voltage (V)

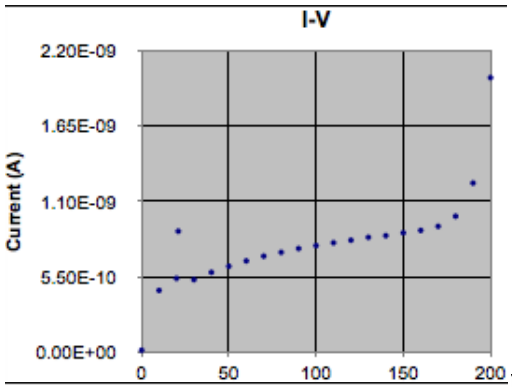

I-V
Current (A)
3.00E-09
2.25E-09
1.50E-09
7.50E-10
0.00E+00
0
75
150
225
300
Voltage (V)

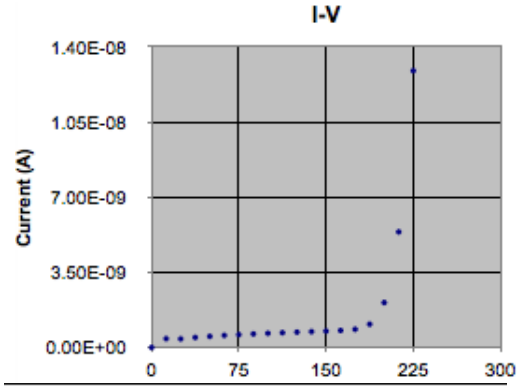

I-V
Current (A)
4.00E-09
3.00E-09
2.00E-09
1.00E-09
0.00E+00
0
75
150
225
300
Voltage (V)

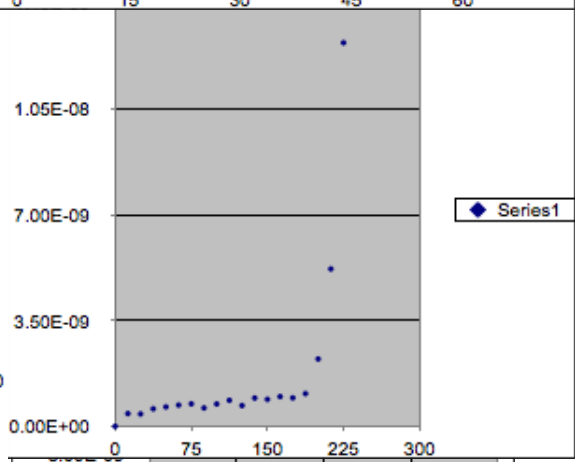
1432.11

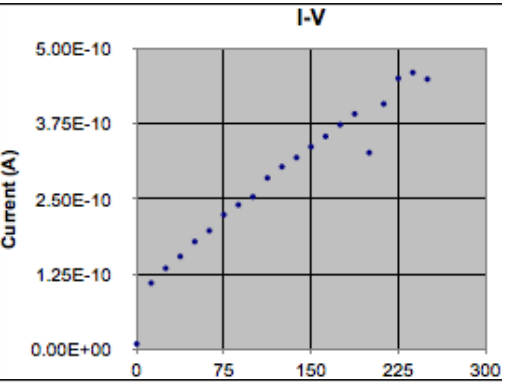

CS
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
15
30
45
60
CS

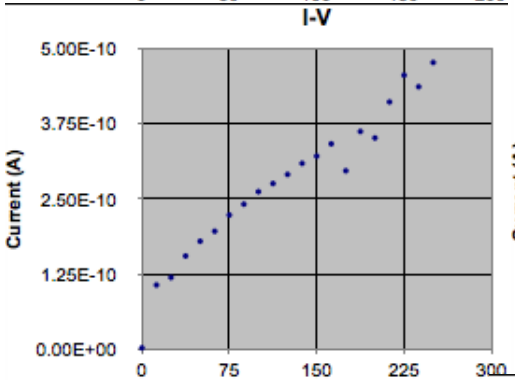

I-V
Current (A)
1.00E+38
7.50E+37
5.00E+37
2.50E+37
0.00E+00
0
75
150
225
300

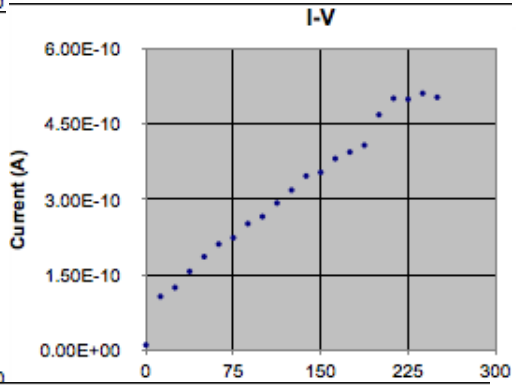

I-V
Current (A)
2.20E-09
1.65E-09
1.10E-09
5.50E-10
0.00E+00
0
50
100
150
200

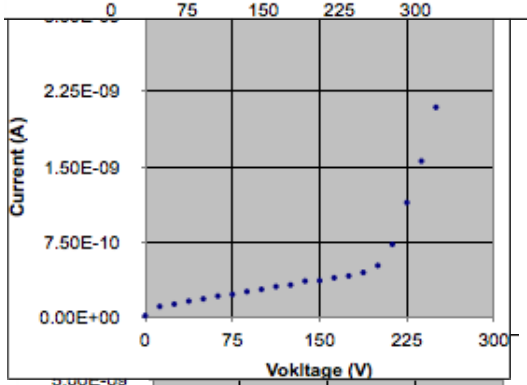

I-V
Current (A)
1.40E-08
1.05E-08
7.00E-09
3.50E-09
0.00E+00
0
75
150
225
300

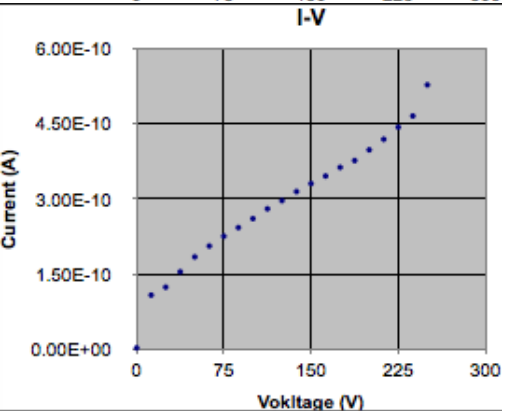

1.05E-08
7.00E-09
3.50E-09
0.00E+00
0
75
150
225
300
Series1

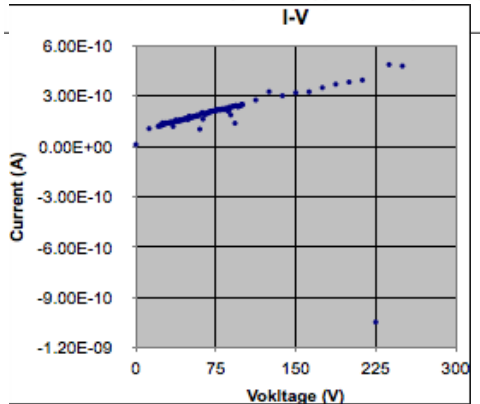

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
75
150
225
300

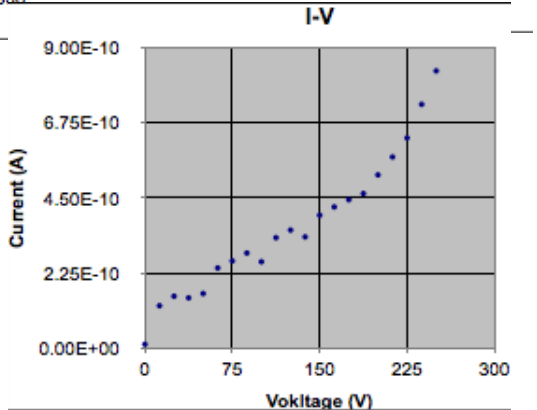

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
75
150
225
300

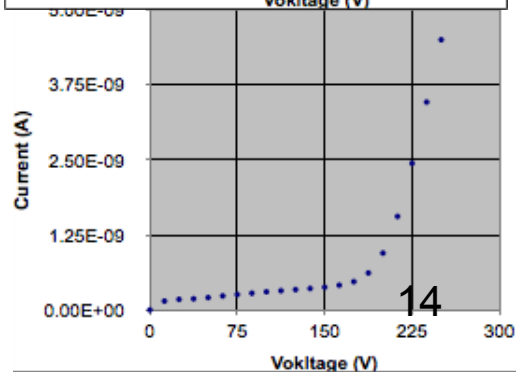

I-V
Current (A)
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
75
150
225
300


Current (A)
2.25E-09
1.50E-09
7.50E-10
0.00E+00
0
75
150
225
300
Voltage (V)

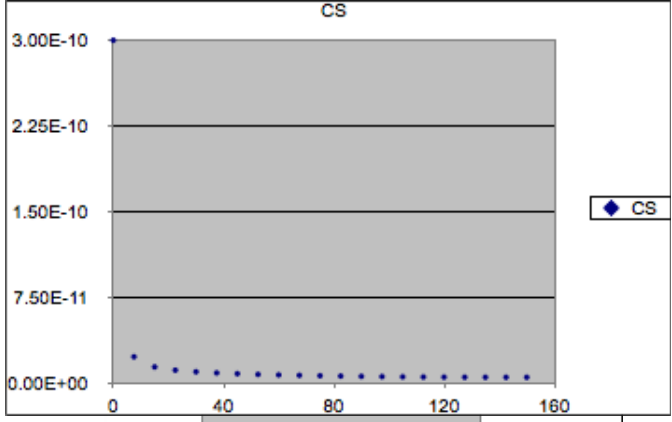

I-V
Current (A)
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
75
150
225
300
Voltage (V)

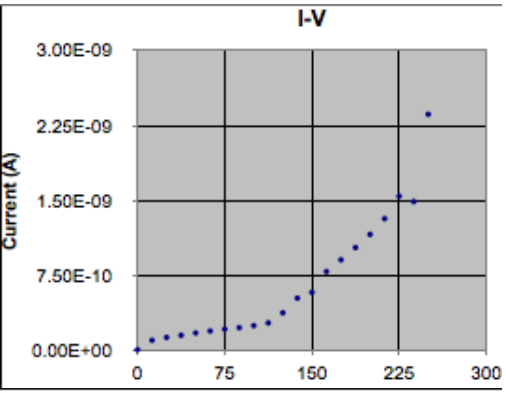

I-V
Current (A)
6.00E-10
3.00E-10
0.00E+00
-3.00E-10
-6.00E-10
-9.00E-10
-1.20E-09
0
75
150
225
300
Voltage (V)

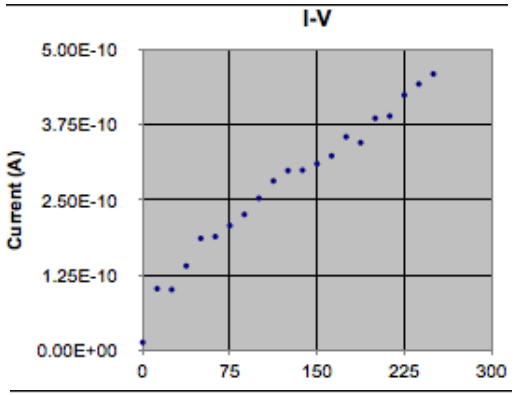

I-V
Current (A)
9.00E-10
6.75E-10
4.50E-10
2.25E-10
0.00E+00
0
75
150
225
300
Voltage (V)

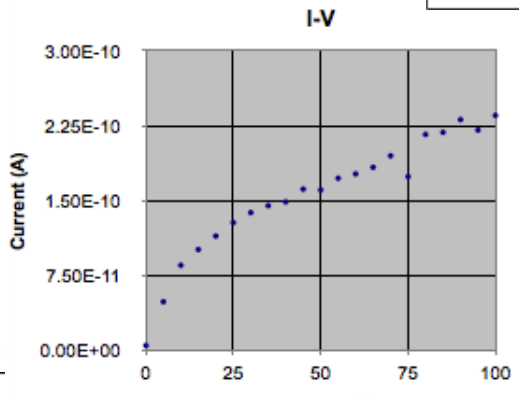

Current (A)
3.75E-09
2.50E-09
1.25E-09
0.00E+00
0
75
150
225
300
Voltage (V)

1432.12


CS
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
40
80
120
160
CS


I-V
Current (A)
3.00E-09
2.25E-09
1.50E-09
7.50E-10
0.00E+00
0
75
150
225
300


I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
75
150
225
300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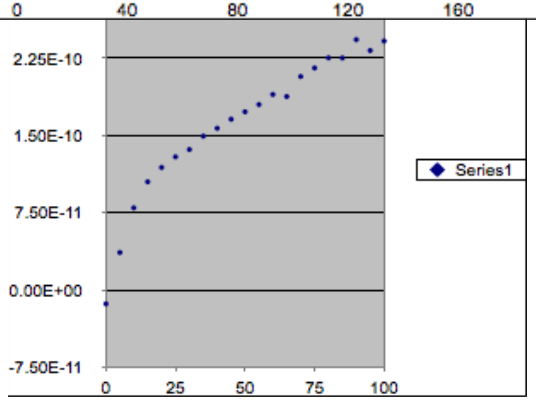
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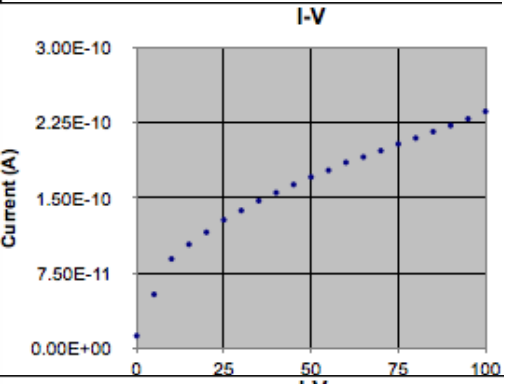
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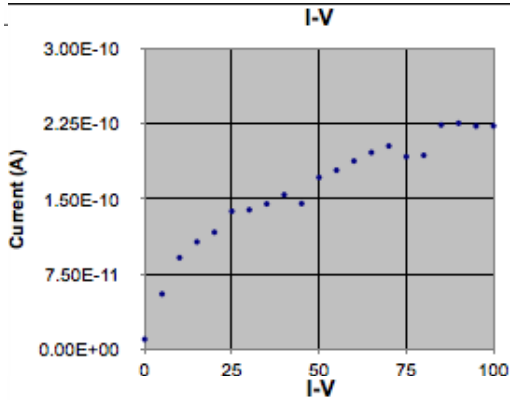
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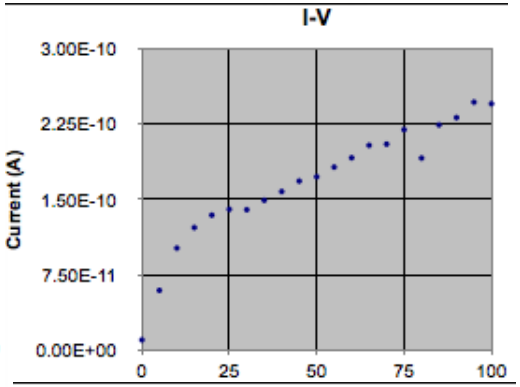
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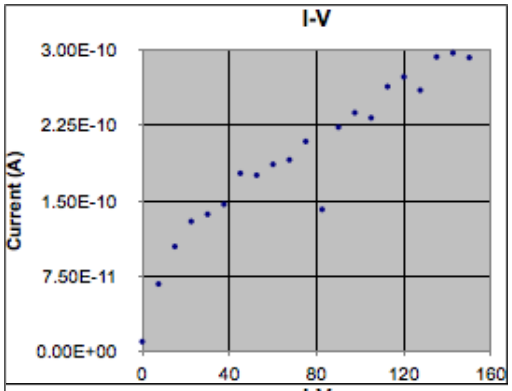
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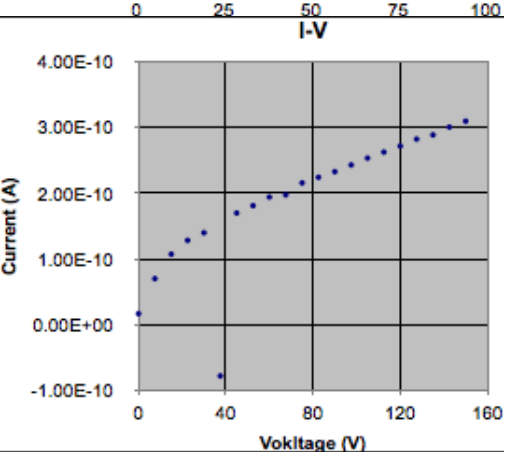
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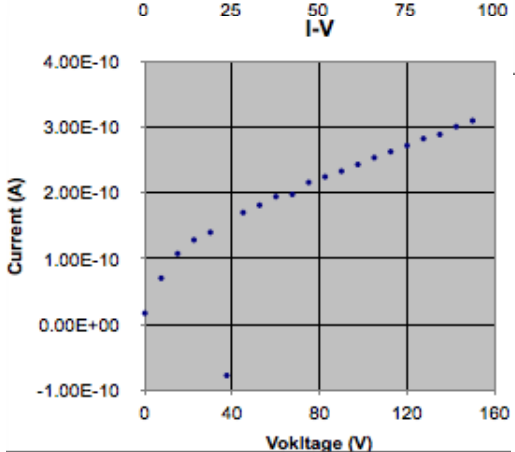
Voltage (V)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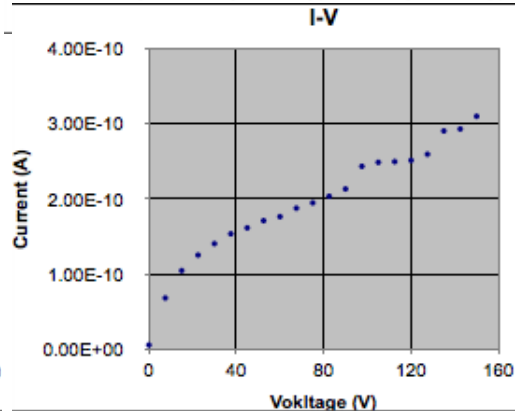
Voltage (V)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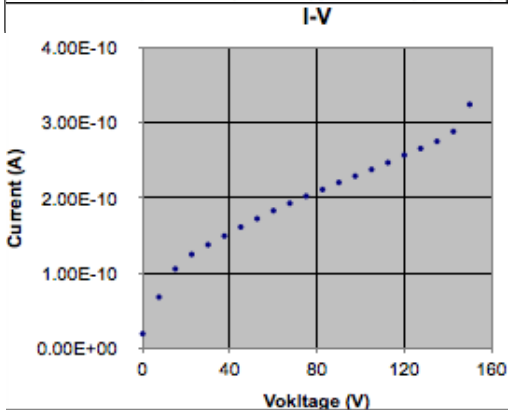
Voltage (V)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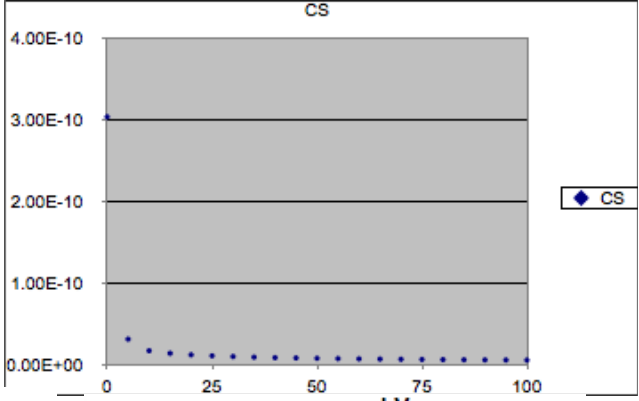
Voltage (V)

1432.13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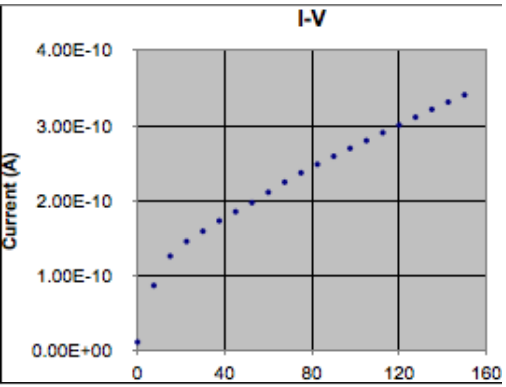
CS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120
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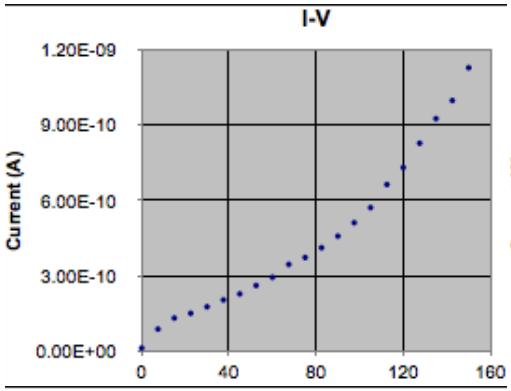
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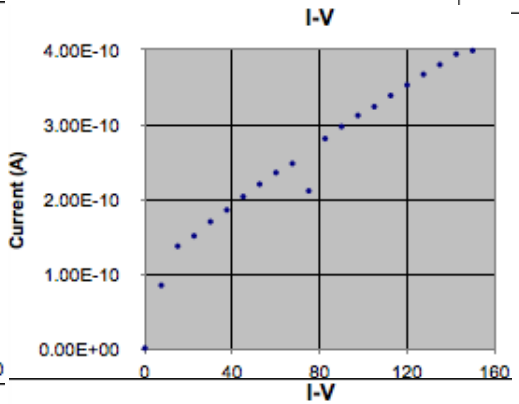
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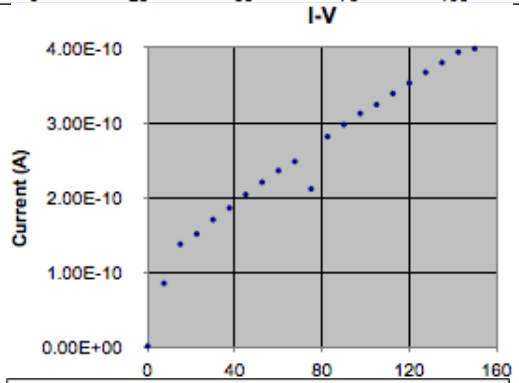
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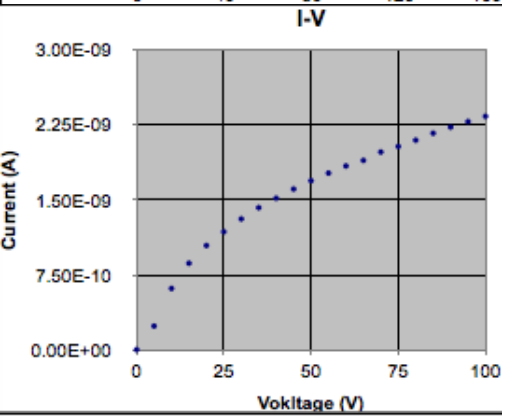
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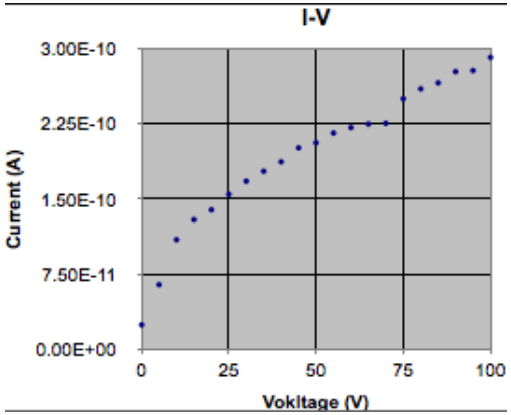
Voltage (V)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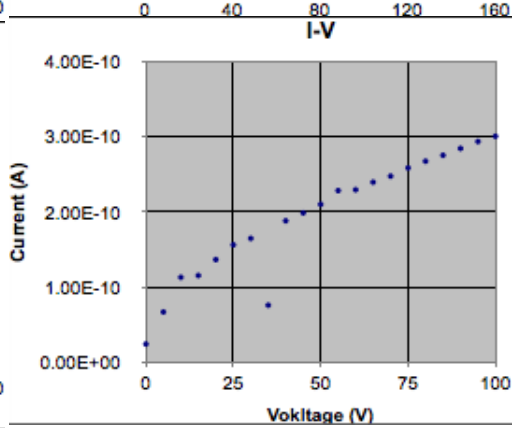
Voltage (V)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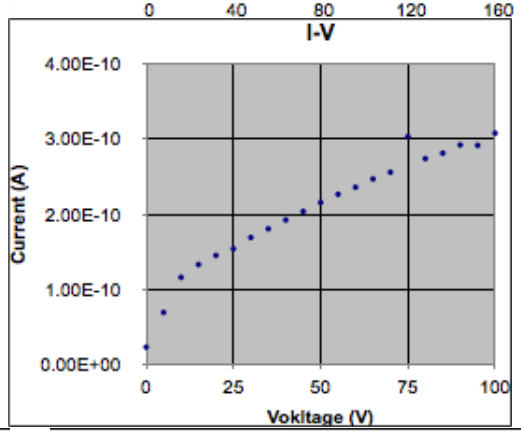
Voltage (V)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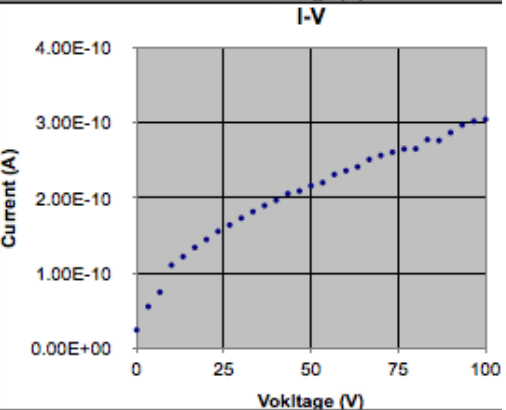
Voltage (V)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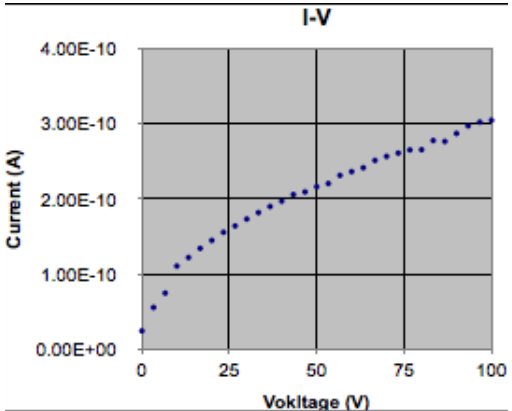
Voltage (V)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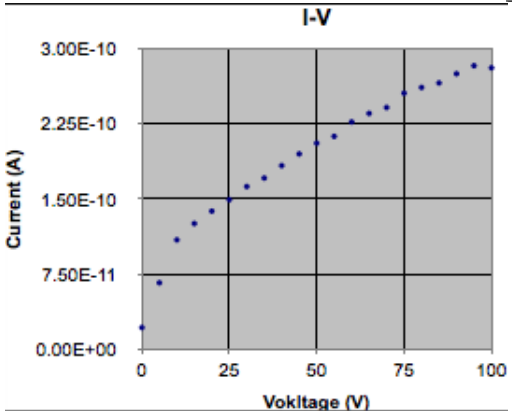
Voltage (V)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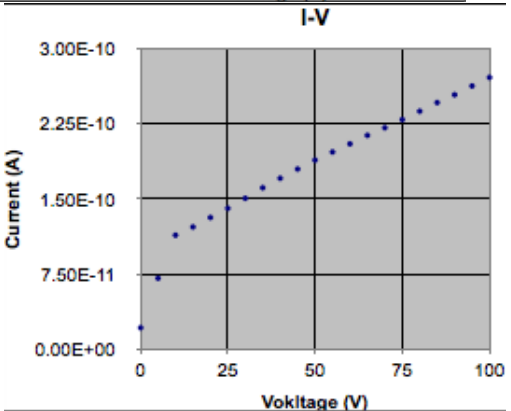
Voltage (V)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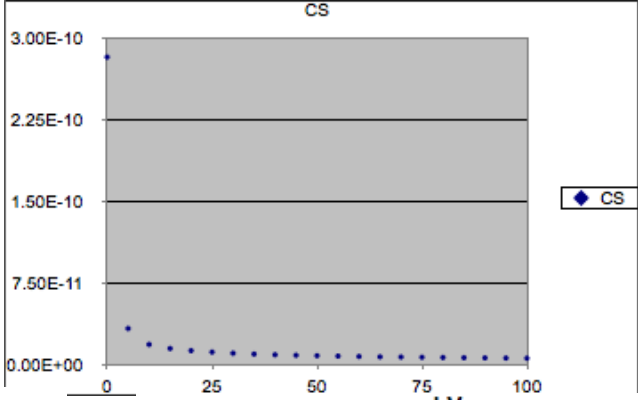
Voltage (V)

1432.14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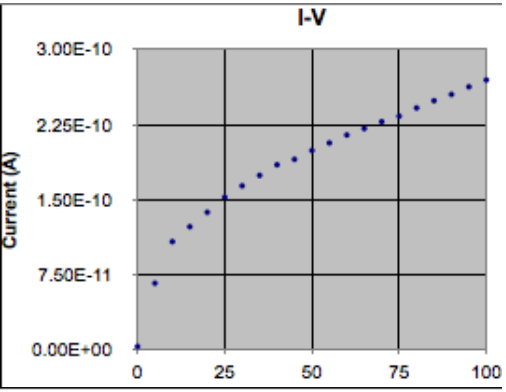
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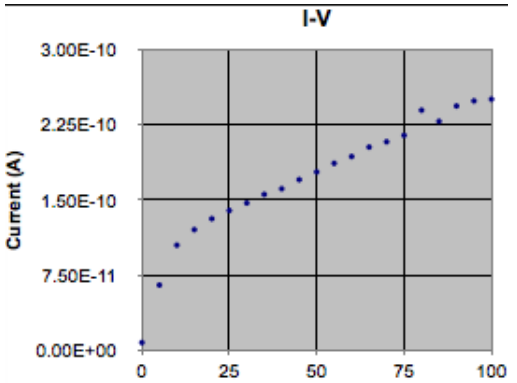
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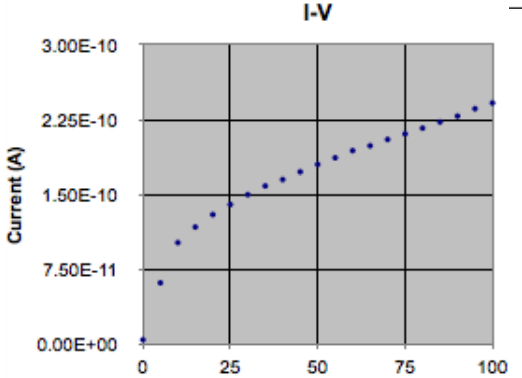
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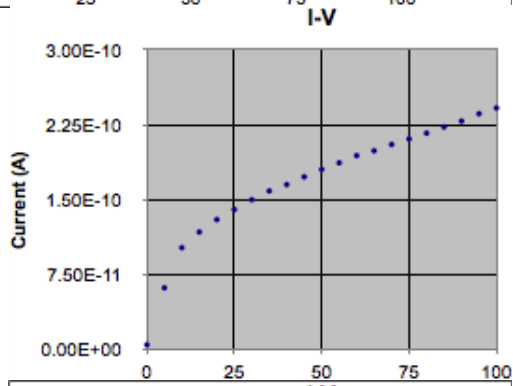
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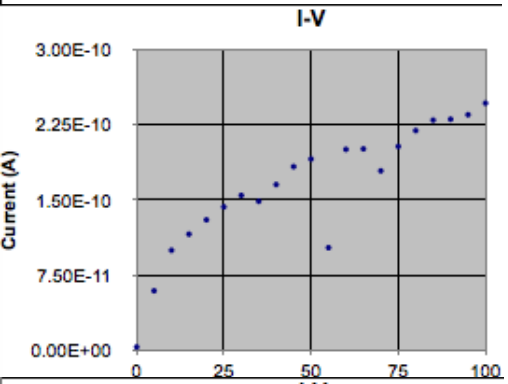
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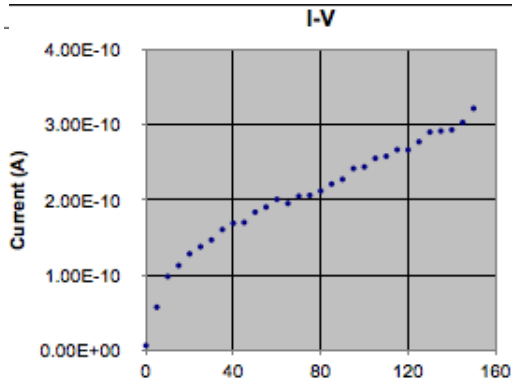
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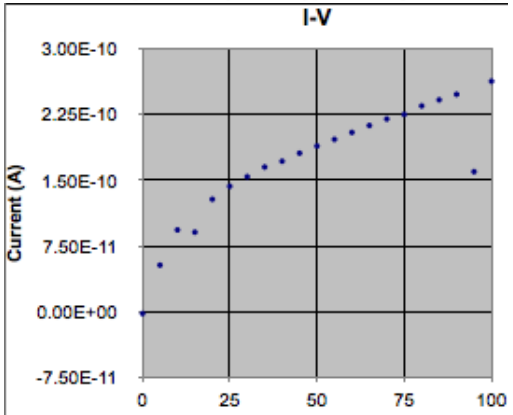
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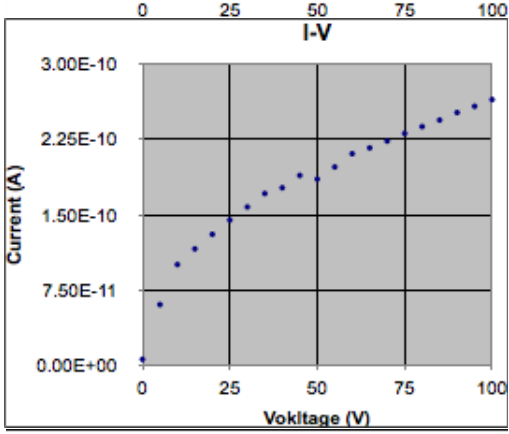
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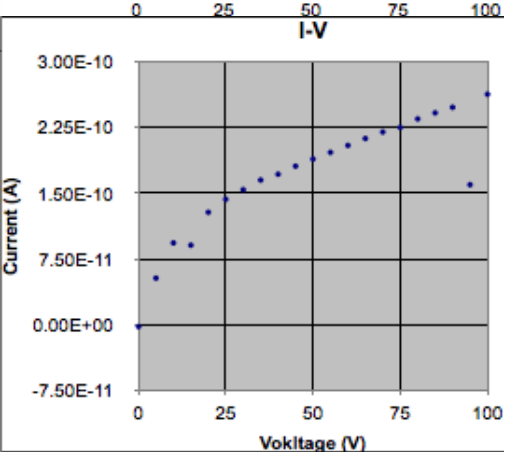
Voltage (V)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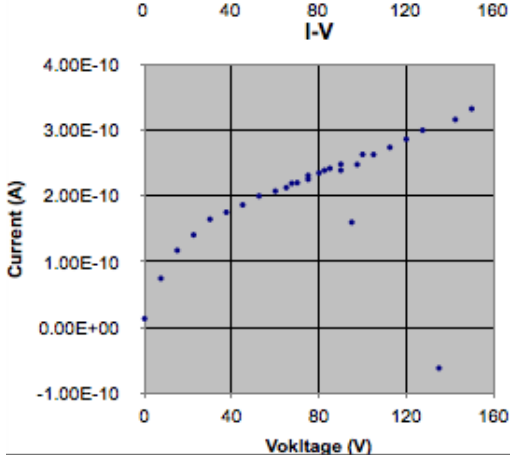
Voltage (V)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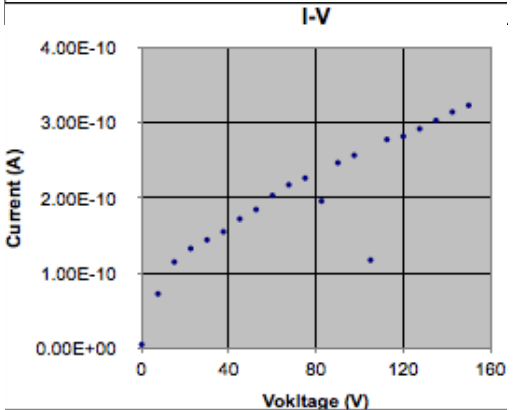
Voltage (V)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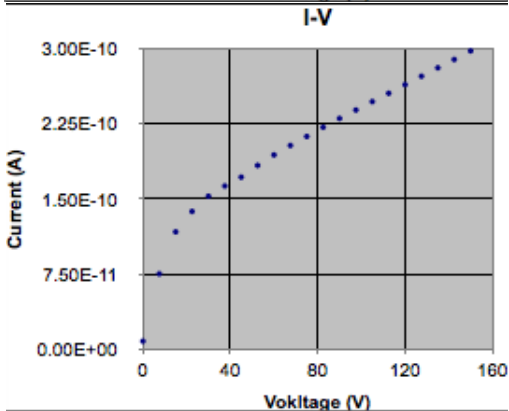
Voltage (V)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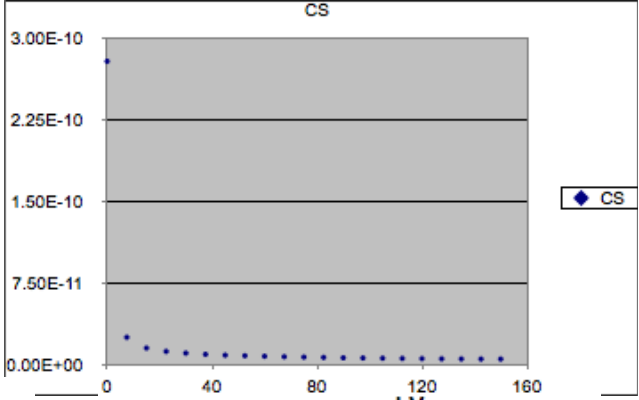
Voltage (V)

1432.15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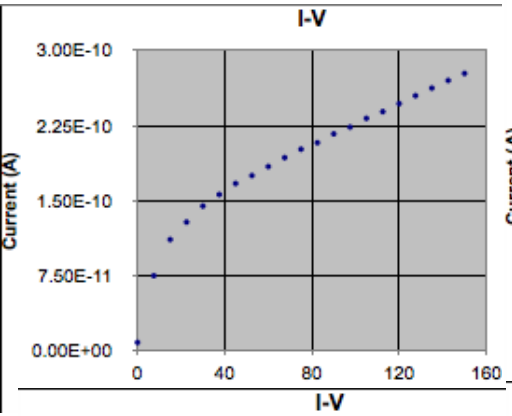
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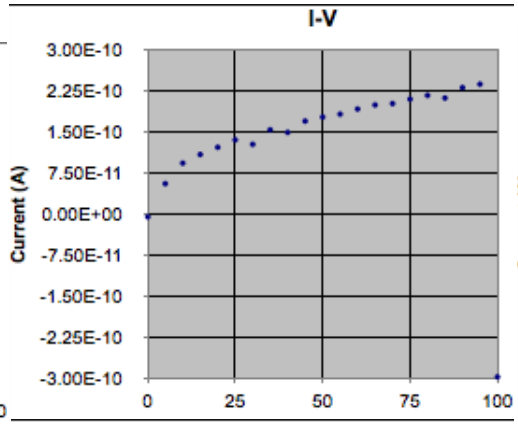
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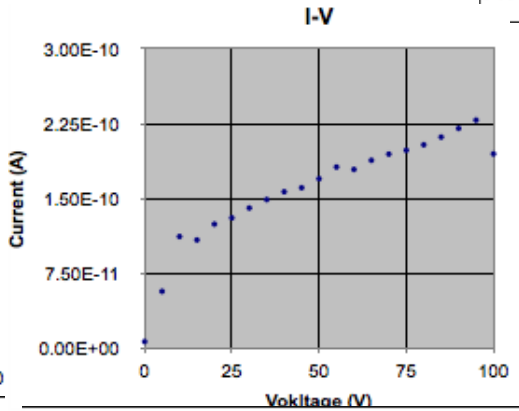
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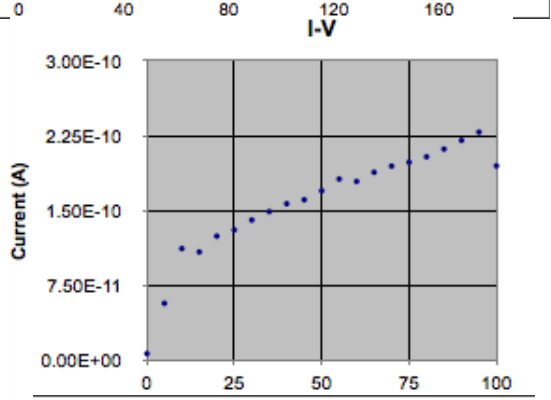
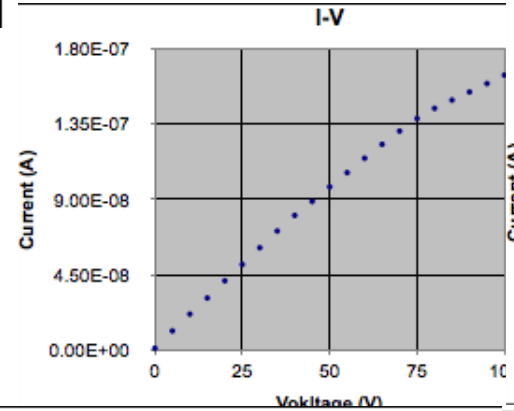
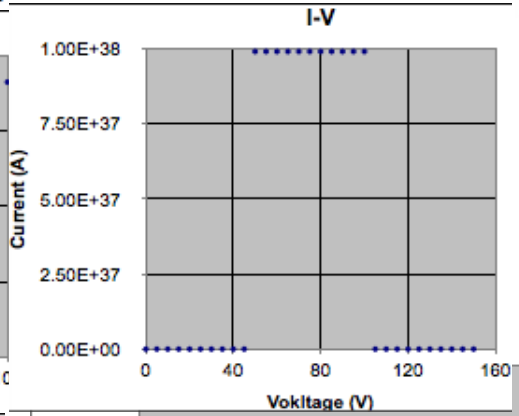
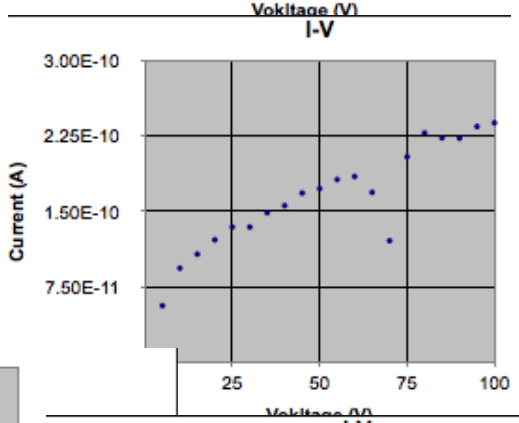
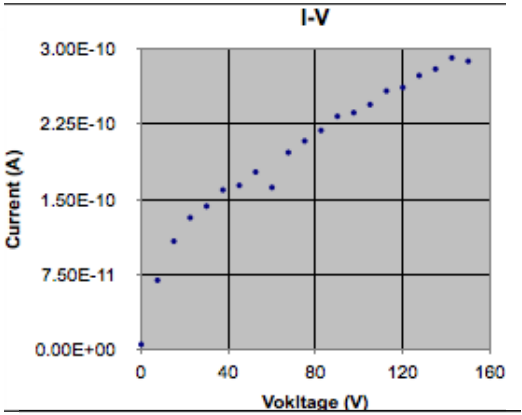
Voltage (V)

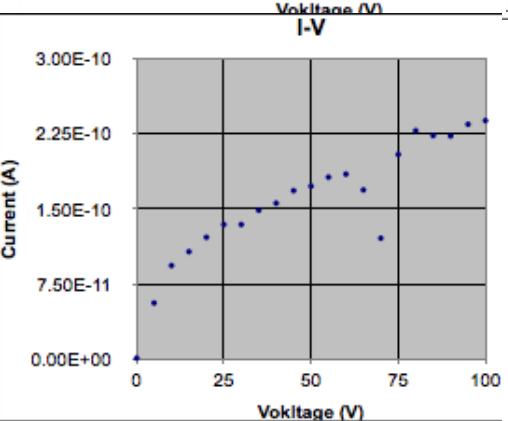

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
25
50
75
100

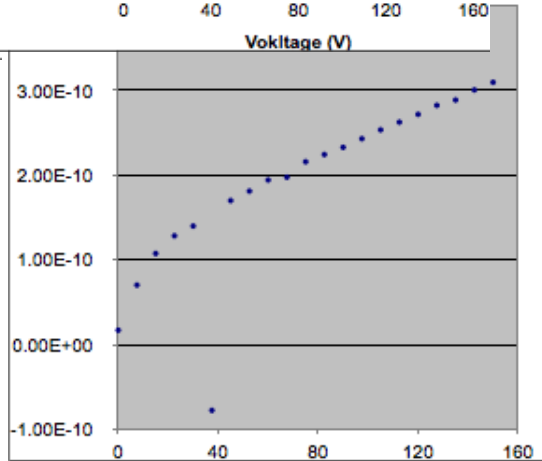

I-V
Current (A)
1.80E-07
1.35E-07
9.00E-08
4.50E-08
0.00E+00
0
25
50
75
Voltage (V)

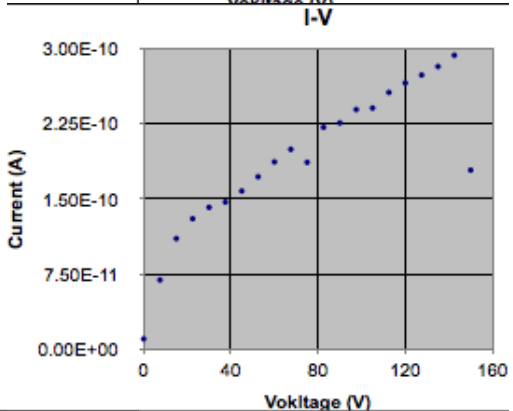

I-V
Current (A)
1.00E+38
7.50E+37
5.00E+37
2.50E+37
0.00E+00
0
40
80
120
160
Voltage (V)

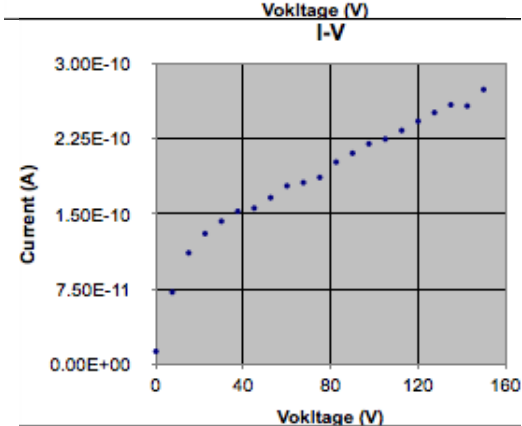

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
25
50
75
100


I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
40
80
120
160
Voltage (V)

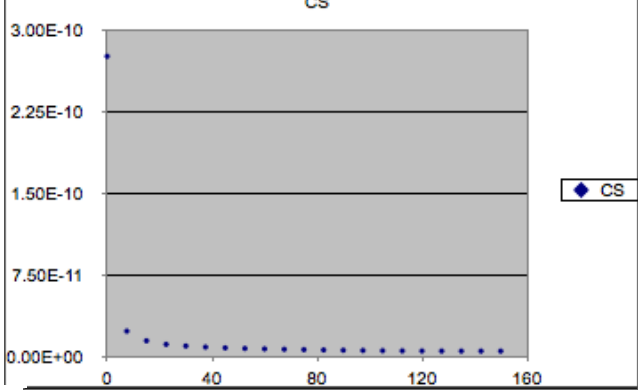

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
25
50
75
100
Voltage (V)

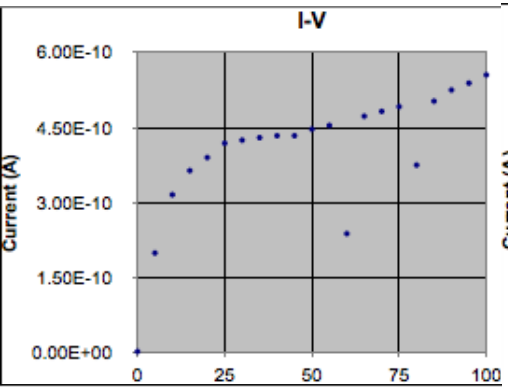

3.00E-10
2.00E-10
1.00E-10
0.00E+00
-1.00E-10
0
40
80
120
160

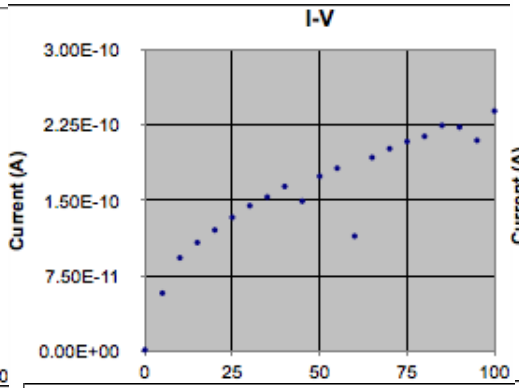

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
40
80
120
160
Voltage (V)

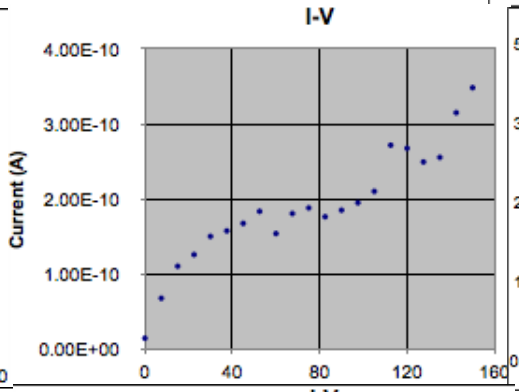

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
40
80
120
160
Voltage (V)

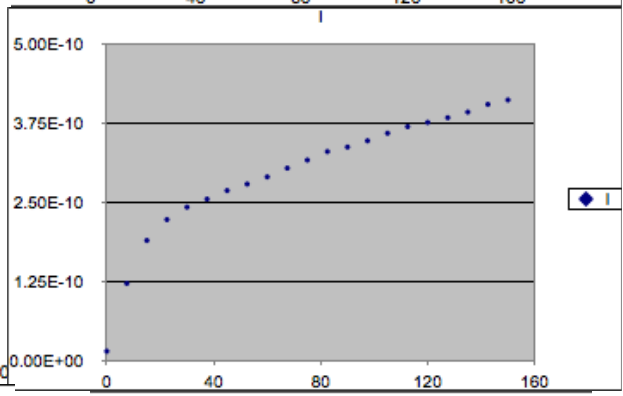
1432.16

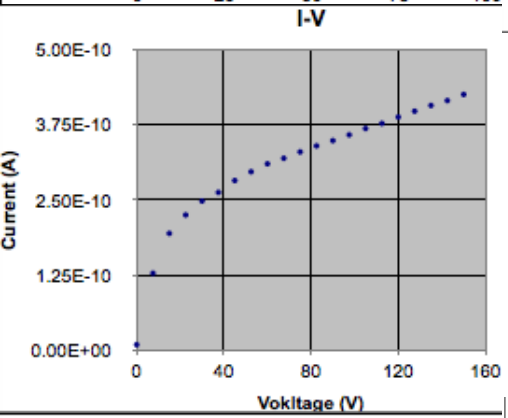

CS
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
40
80
120
160
CS

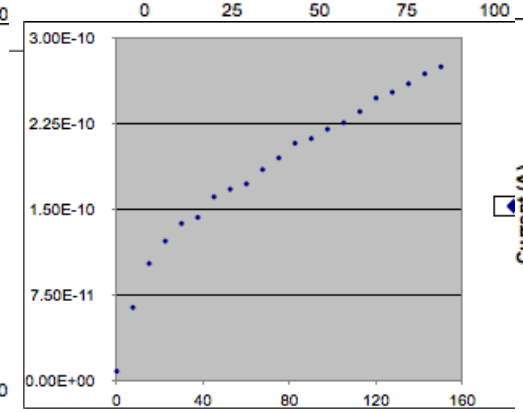

I-V
Current (A)
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
25
50
75
100

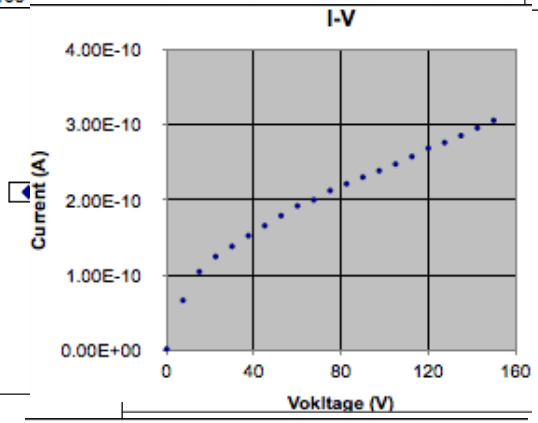

I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
25
50
75
100

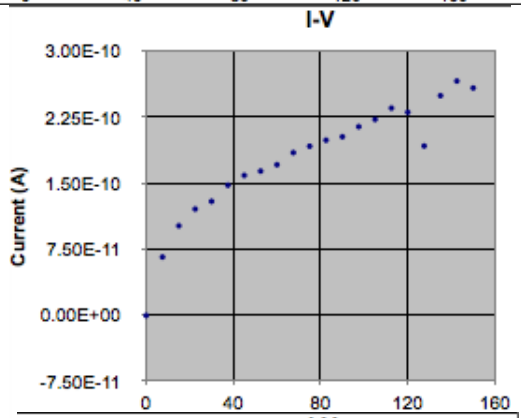

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
40
80
120
160

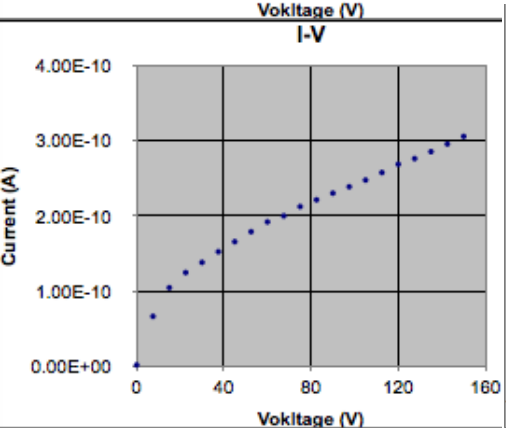

I
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
40
80
120
160
I

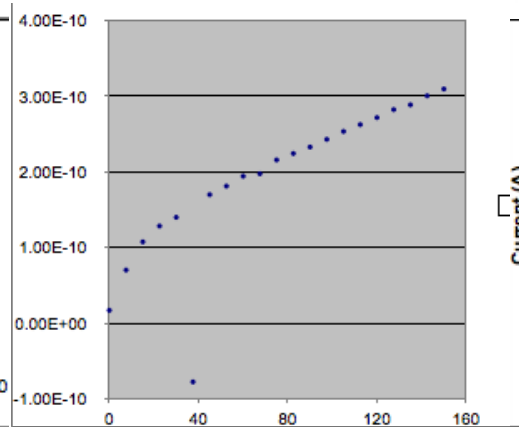

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
40
80
120
160
Voltage (V)

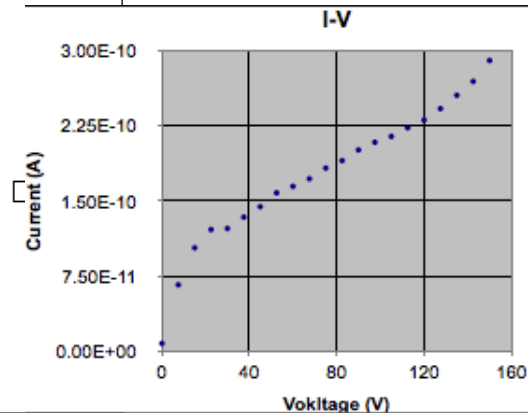

3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
40
80
120
160

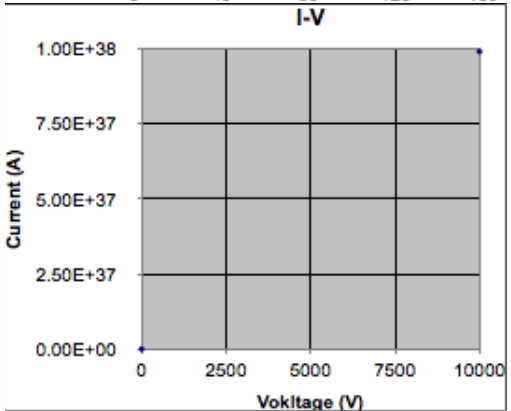

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
40
80
120
160
Voltage (V)


I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
0
40
80
120
160

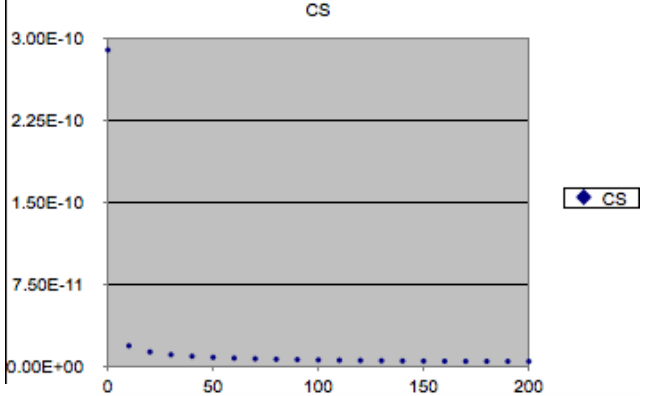

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
40
80
120
160
Voltage (V)

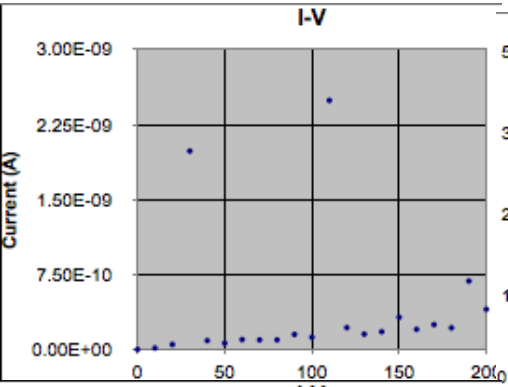

4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
-1.00E-10
0
40
80
120
160


I-V
Current (A)
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
40
80
120
160
Voltage (V)


I-V
Current (A)
1.00E+38
7.50E+37
5.00E+37
2.50E+37
0.00E+00
0
2500
5000
7500
10000
Voltage (V)

1434.22


CS
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
50
100
150
200
CS


I-V
Current (A)
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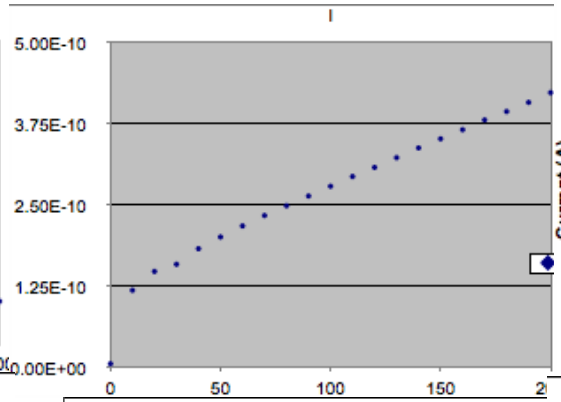
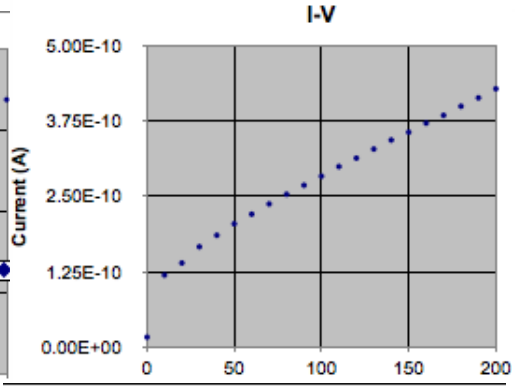
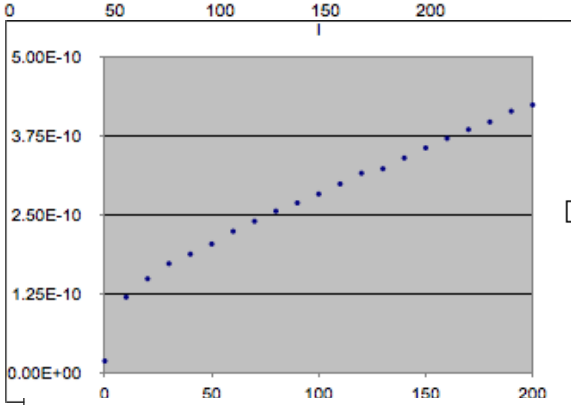
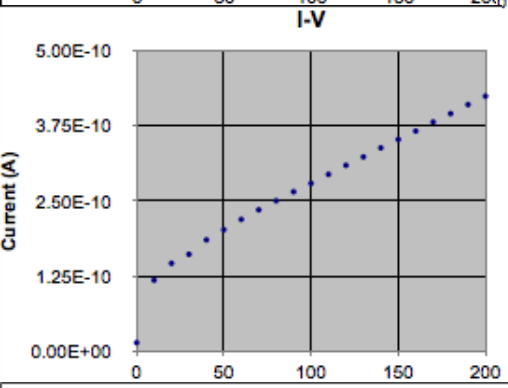
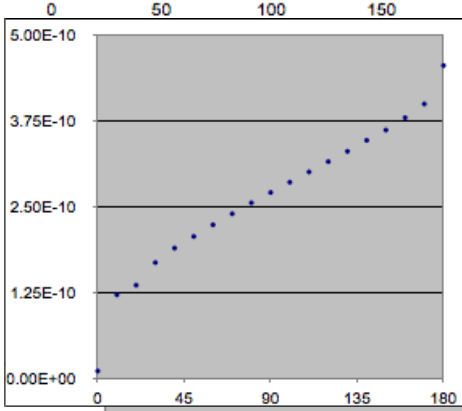
2.25E-09
1.50E-09
7.50E-10
0.00E+00
0
50
100
150
200

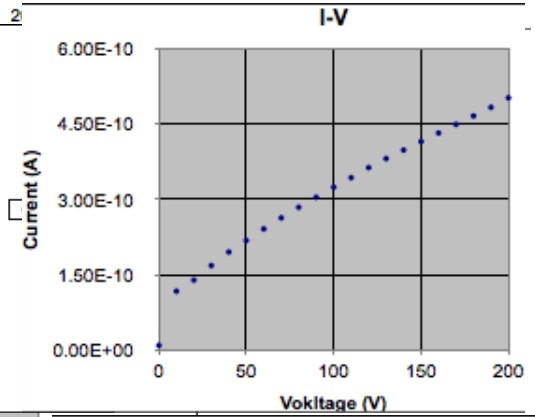

I
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150

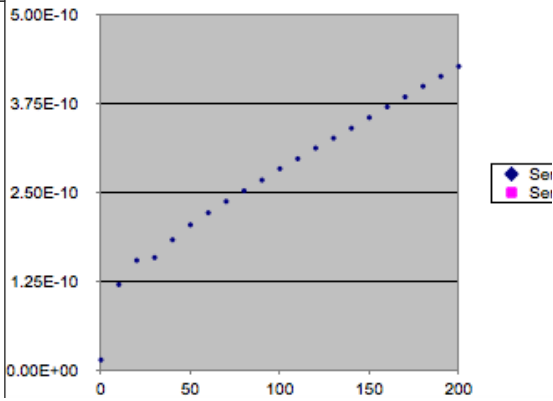

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150
200

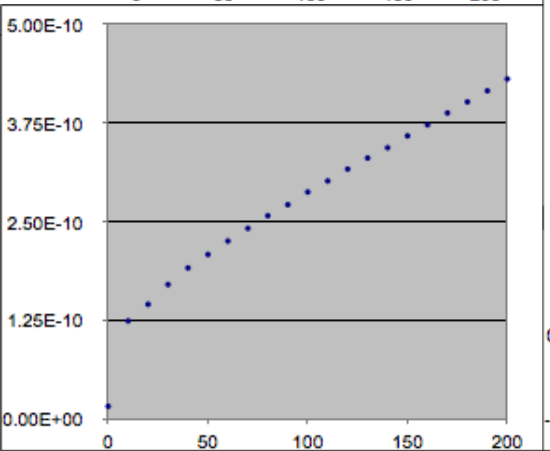

I
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150
200

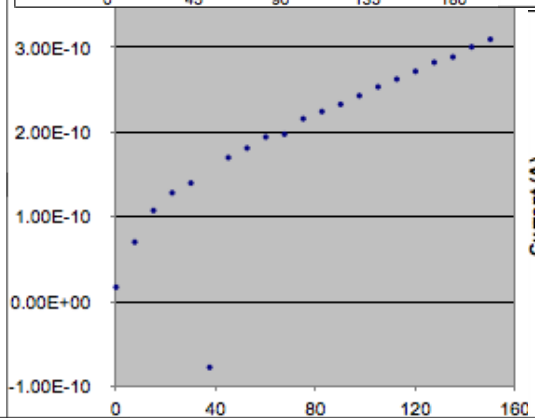

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150
200

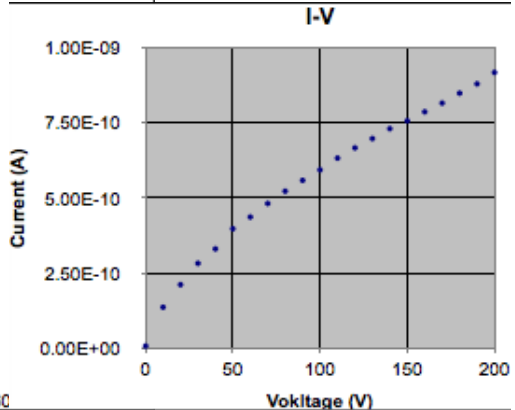

5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
45
90
135
180

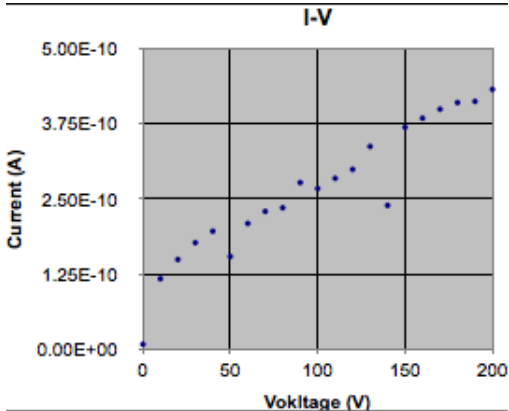

I-V
Current (A)
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
50
100
150
200
Voltage (V)


5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150
200

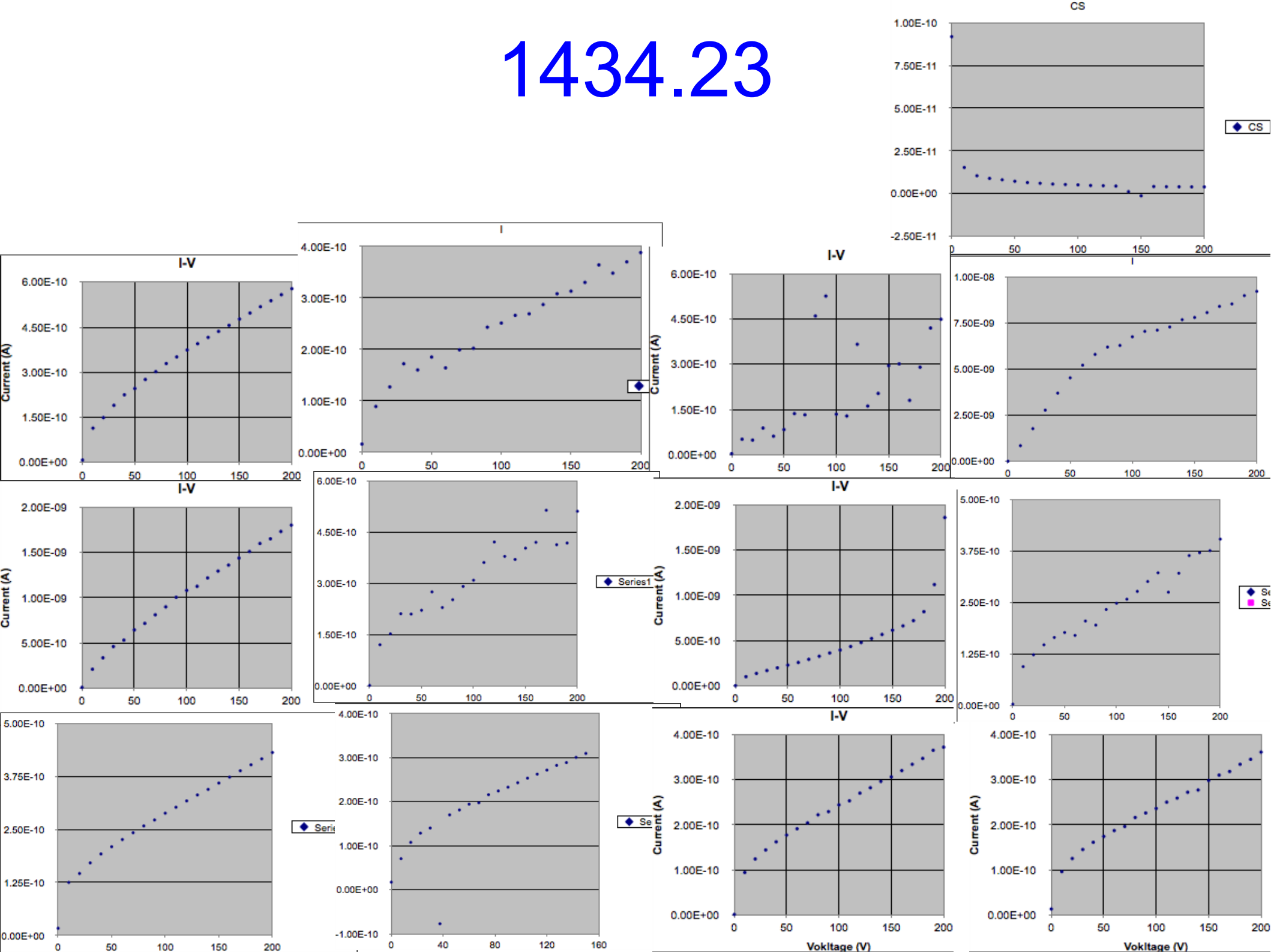

5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150
200


3.00E-10
2.00E-10
1.00E-10
0.00E+00
-1.00E-10
0
40
80
120
160

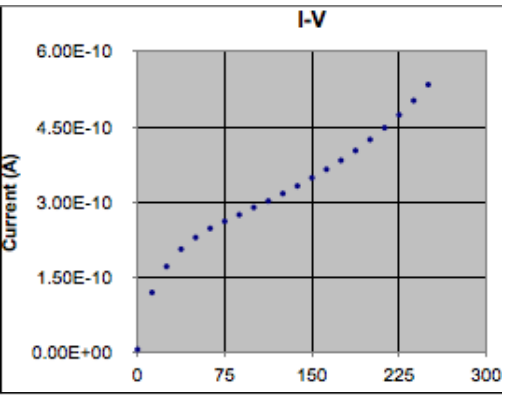

I-V
Current (A)
1.00E-09
7.50E-10
5.00E-10
2.50E-10
0.00E+00
0
50
100
150
200
Voltage (V)

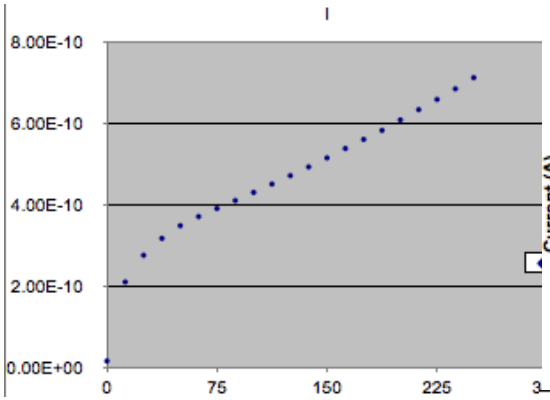

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150
200
Voltage (V)

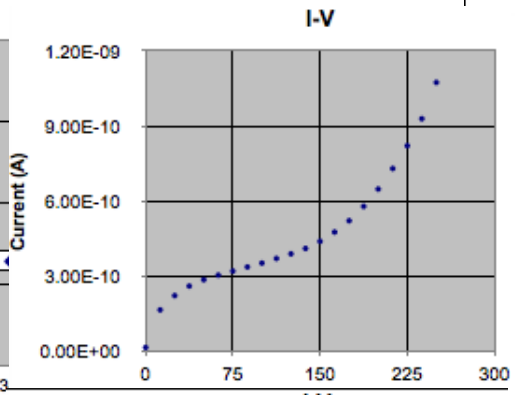
1434.23

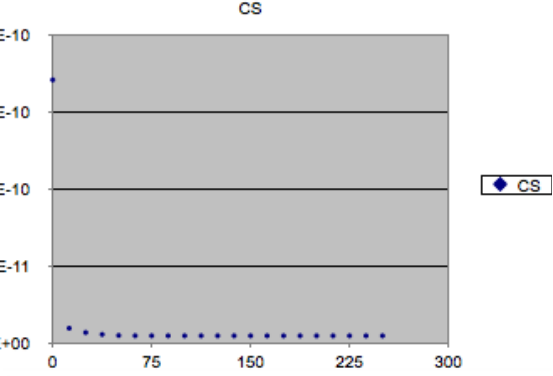


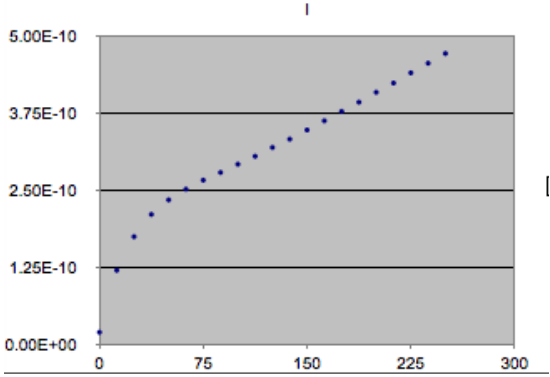
1583.17

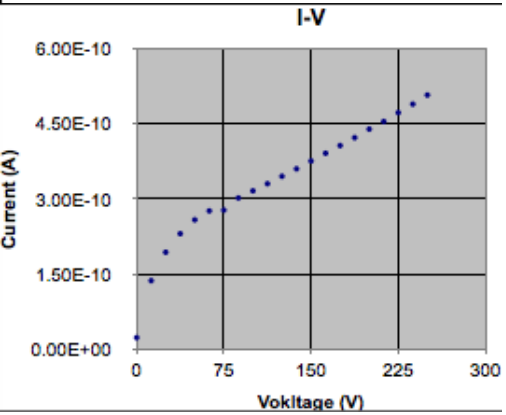

I-V
Current (A)
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
75
150
225
300

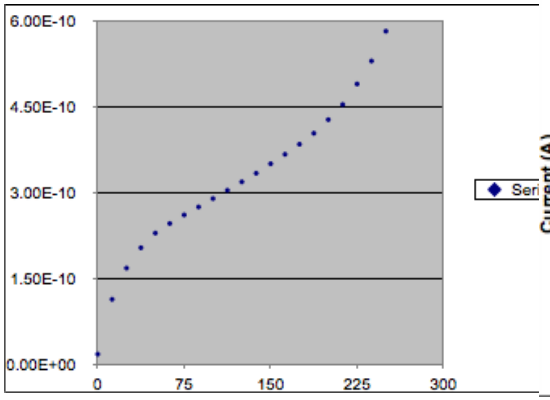

I
8.00E-10
6.00E-10
4.00E-10
2.00E-10
0.00E+00
0
75
150
225

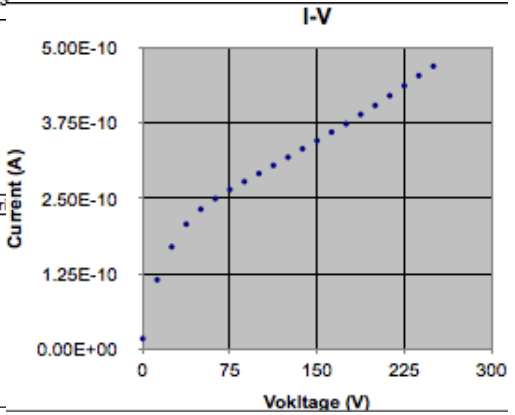

I-V
Current (A)
1.20E-09
9.00E-10
6.00E-10
3.00E-10
0.00E+00
0
75
150
225
300

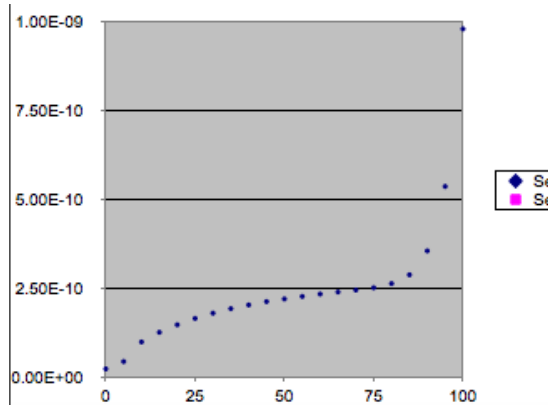

CS
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
75
150
225
300
CS


I
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
75
150
225
300


I-V
Current (A)
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
75
150
225
300
Voltage (V)


6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
75
150
225
300


I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
75
150
225
300
Voltage (V)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2.50E-10
0.00E+00
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75
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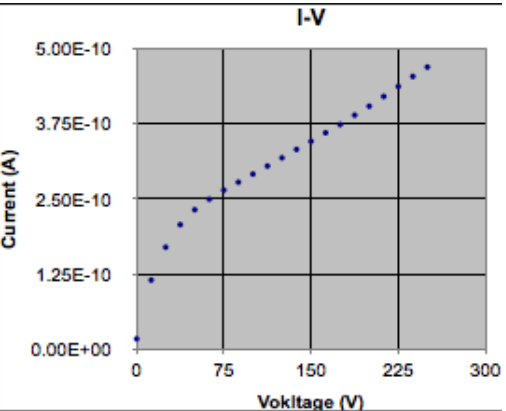
I-V
Current (A)
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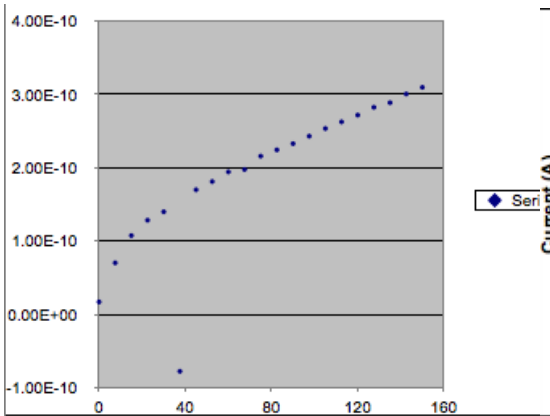
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
75
150
225
300
Voltage (V)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0.00E+00
-1.00E-10
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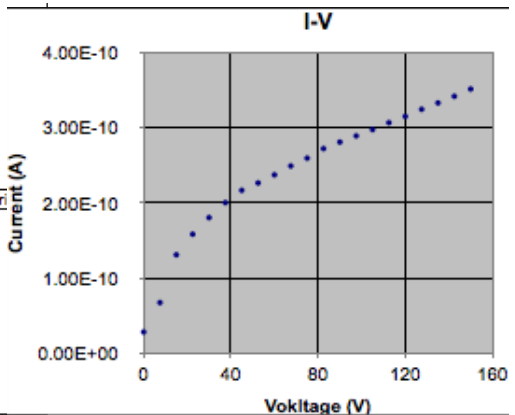
I-V
Current (A)
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3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
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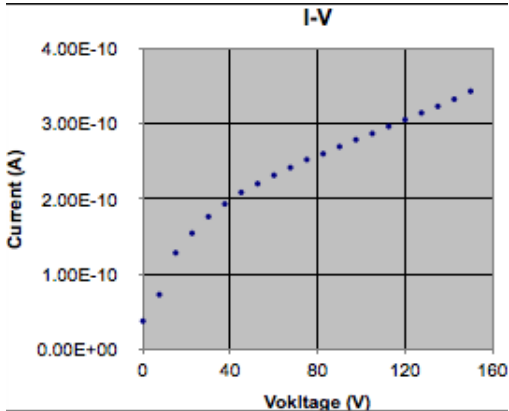
80
120
160
Voltage (V)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Current (A)
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1.00E-10
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80
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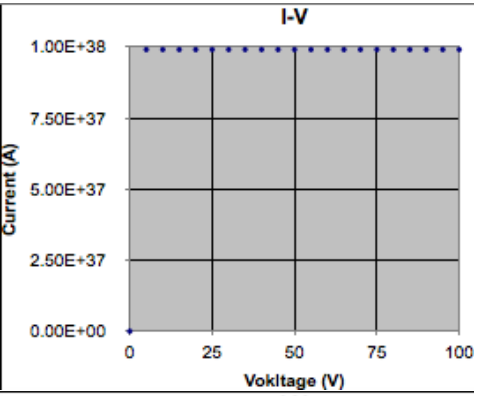
160
Voltage (V)

1583.18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Current (A)
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2.50E+37
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0
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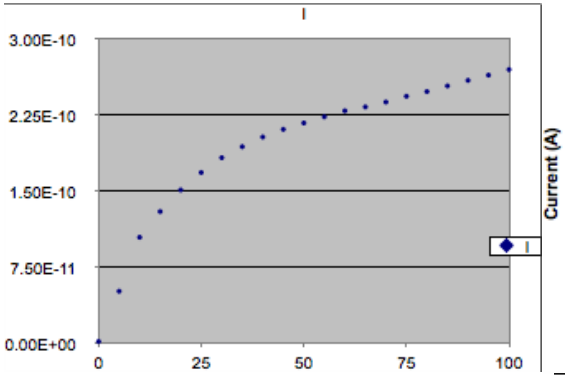
50
75
100
Voltage (V)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3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
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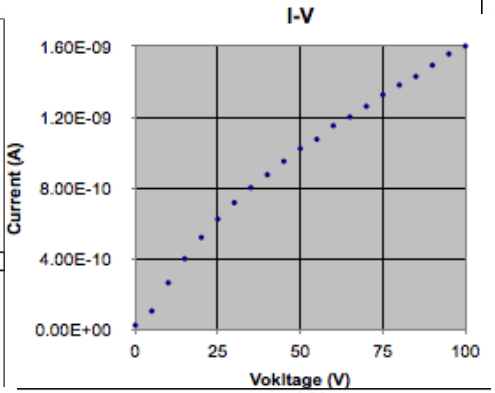
100
I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Current (A)
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1.20E-09
8.00E-10
4.00E-10
0.00E+00
0
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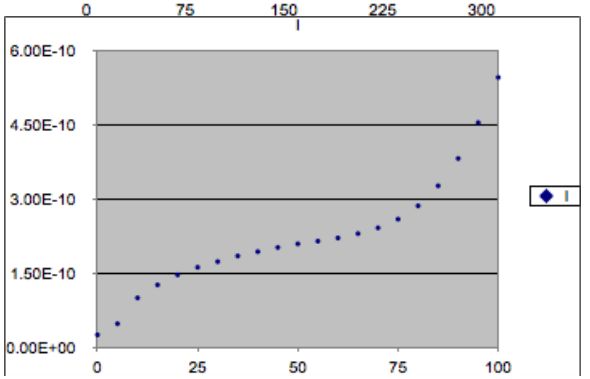
50
75
100
Voltage (V)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0.00E+00
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50
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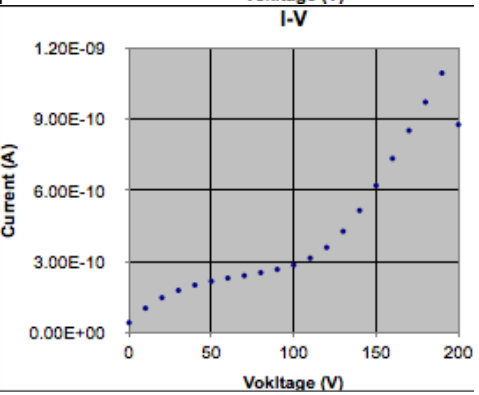
100
I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Current (A)
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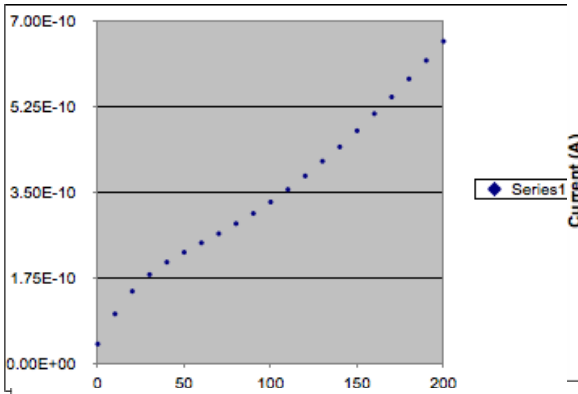
6.00E-10
3.00E-10
0.00E+00
0
50
100
150
200
Voltage (V)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3.50E-10
1.75E-10
0.00E+00
0
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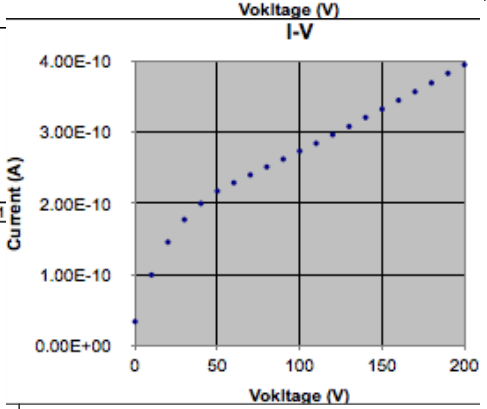
100
150
200
Series1


I-V
Current (A)
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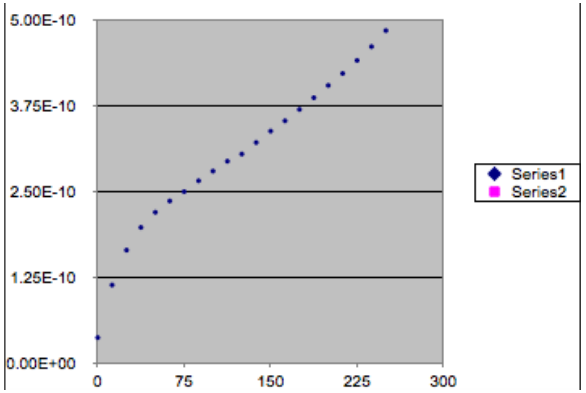
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
50
100
150
200
Voltage (V)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1.25E-10
0.00E+00
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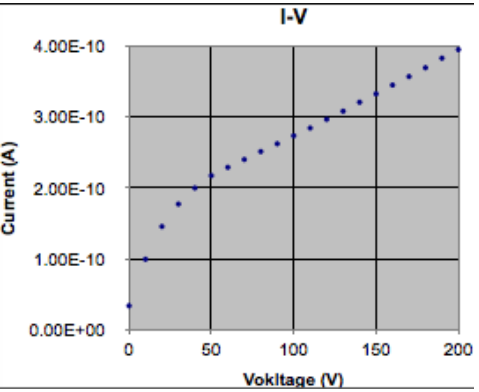
225
300
Series1
Series2


I-V
Current (A)
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1.00E-10
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0
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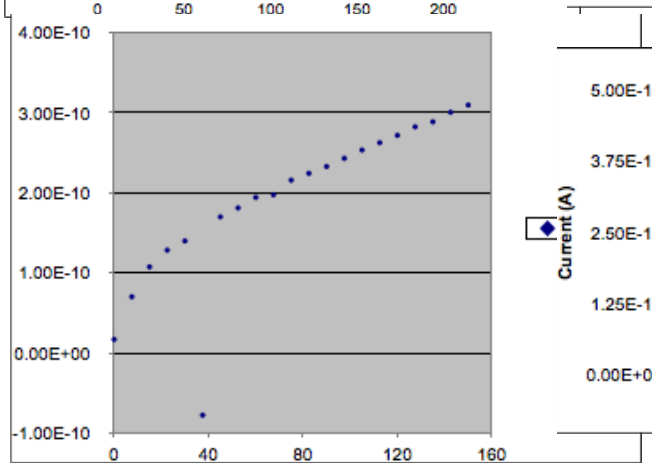
100
150
200
Voltage (V)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2.00E-10
1.00E-10
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-1.00E-10
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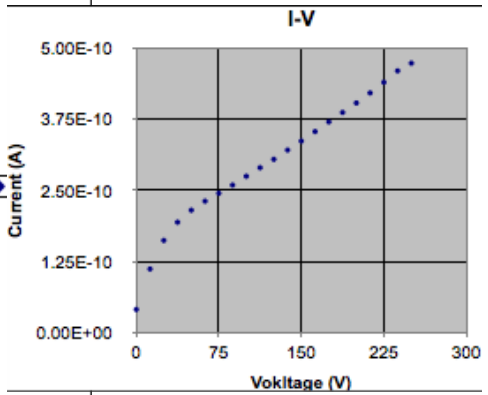
120
160


I-V
Current (A)
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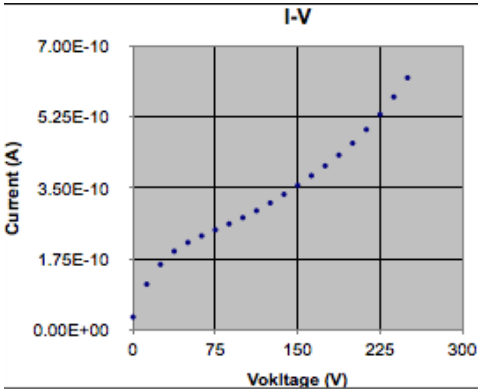
1.25E-10
0.00E+00
0
75
150
225
300
Voltage (V)


I-V
Current (A)
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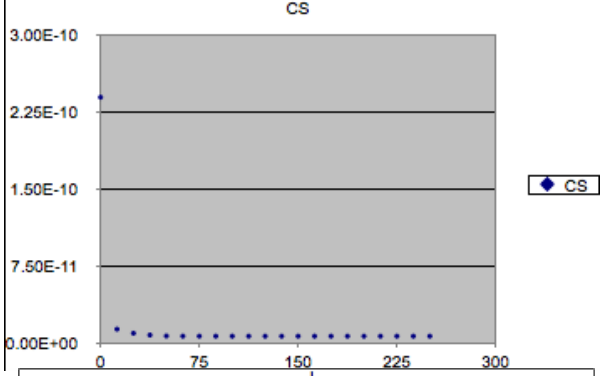
225
300
Voltage (V)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0.00E+00
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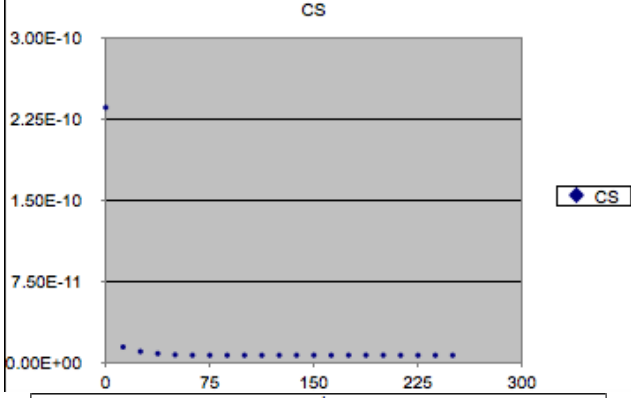
300
CS

1583.19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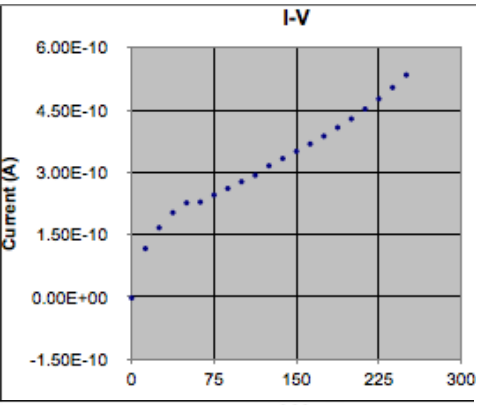
300
CS


I-V
Current (A)
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3.00E-10
1.50E-10
0.00E+00
-1.50E-10
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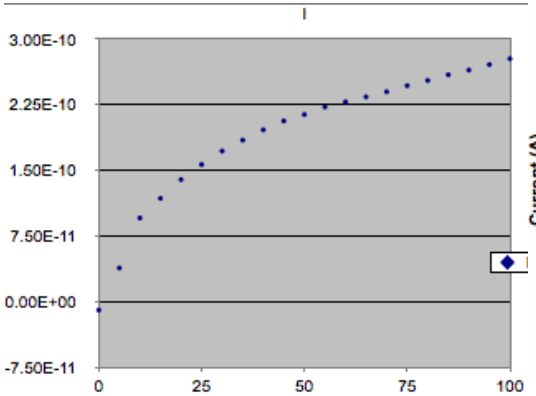
75
150
225
300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0.00E+00
-7.50E-11
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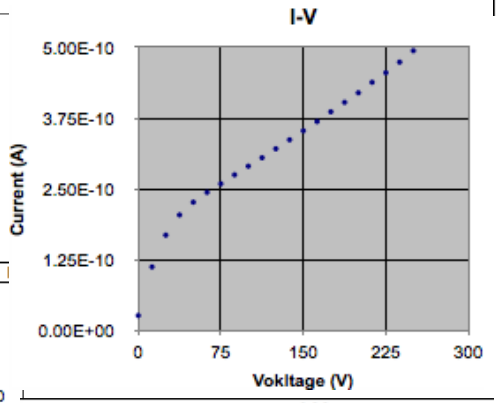
25
50
75
100


I-V
Current (A)
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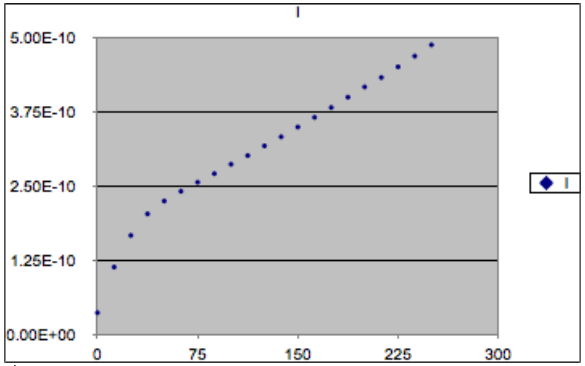
1.25E-10
0.00E+00
0
75
150
225
300
Voltage (V)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0.00E+00
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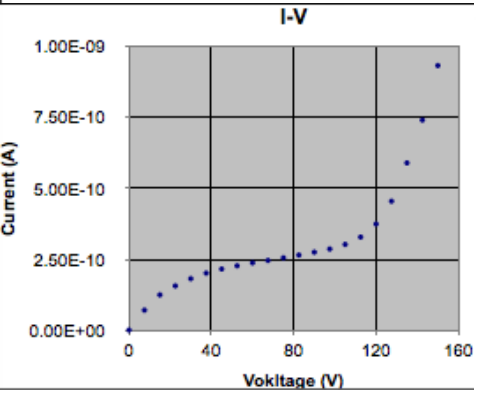
300
I


I-V
Current (A)
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5.00E-10
2.50E-10
0.00E+00
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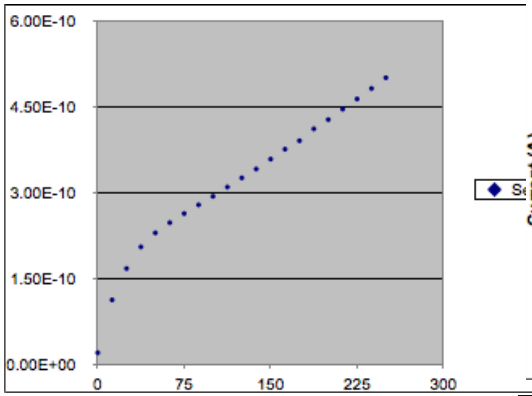
80
120
160
Voltage (V)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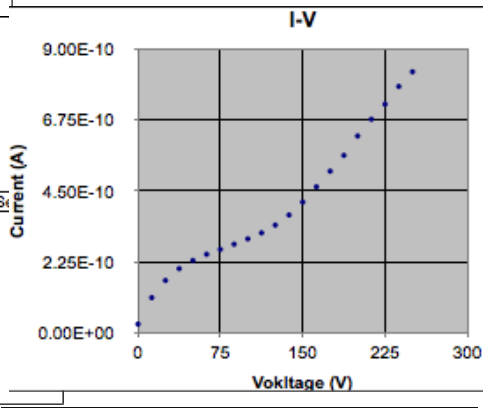
300


I-V
Current (A)
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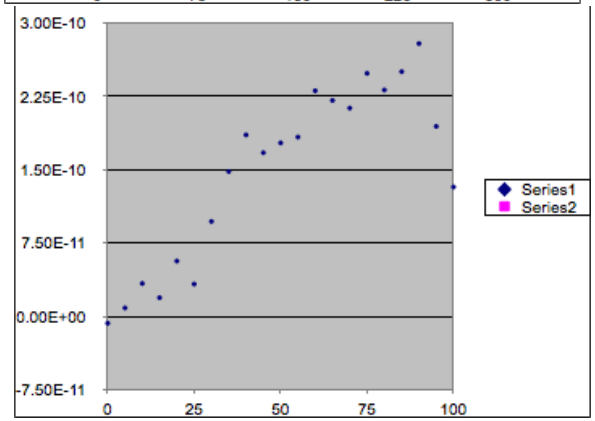
300
Voltage (V)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-7.50E-11
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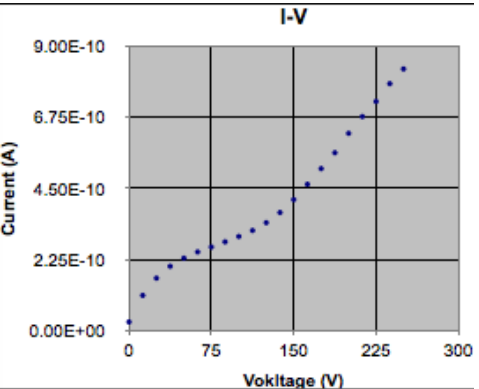
50
75
100
Series1
Series2


I-V
Current (A)
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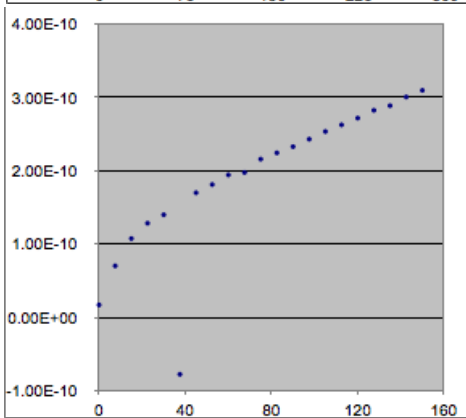
2.25E-10
0.00E+00
0
75
150
225
300
Voltage (V)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1.00E-10
0.00E+00
-1.00E-10
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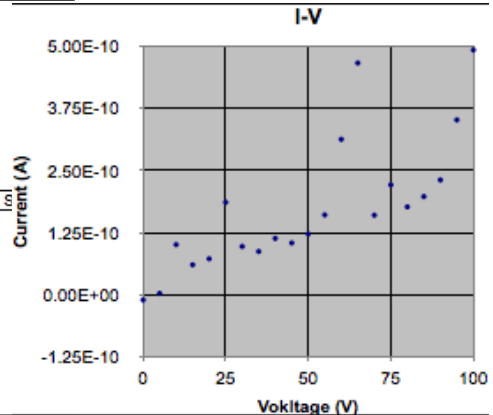
80
120
160


I-V
Current (A)
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1.25E-10
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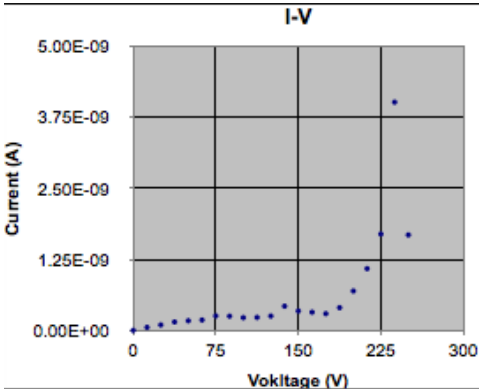
-1.25E-10
0
25
50
75
100
Voltage (V)


I-V
Current (A)
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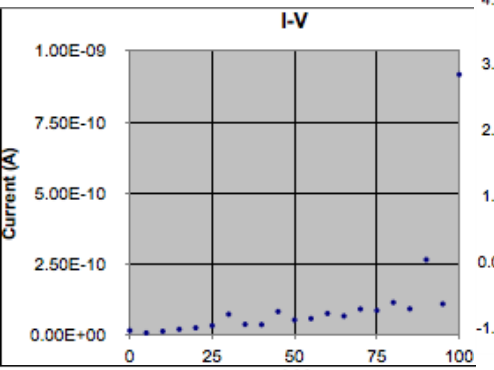
300
Voltage (V)

1583.20


I-V
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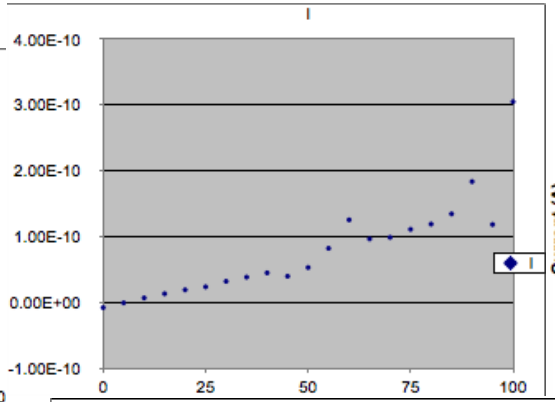
2.50E-10
0.00E+00
0
25
50
75
100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0.00E+00
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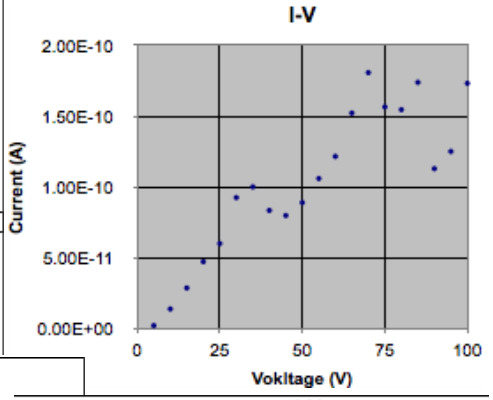
50
75
100
I


I-V
Current (A)
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1.00E-10
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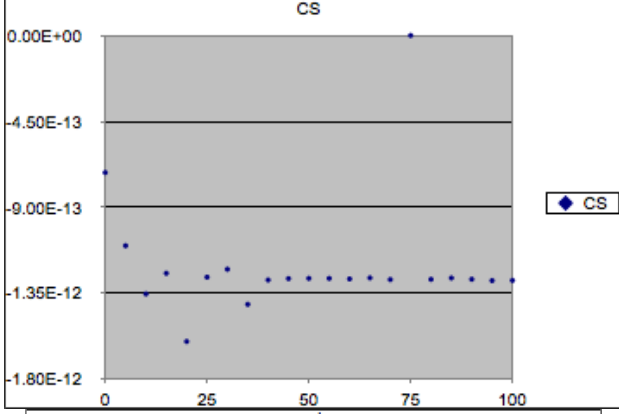
0.00E+00
0
25
50
75
100
Voltage (V)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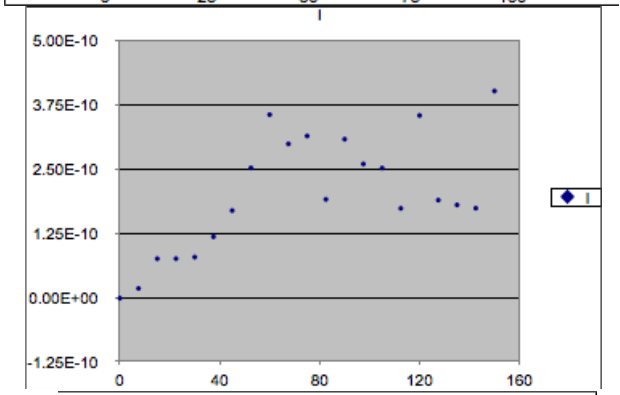
25
50
75
100
CS


I
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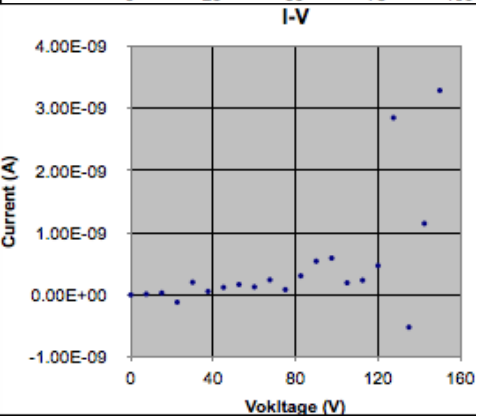
2.50E-10
1.25E-10
0.00E+00
-1.25E-10
0
40
80
120
160
I


I-V
Current (A)
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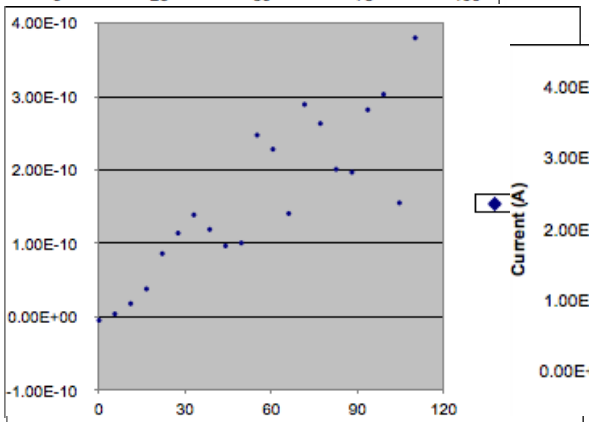
3.00E-09
2.00E-09
1.00E-09
0.00E+00
-1.00E-09
0
40
80
120
160
Voltage (V)


4.00E-10
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0.00E+00
-1.00E-10
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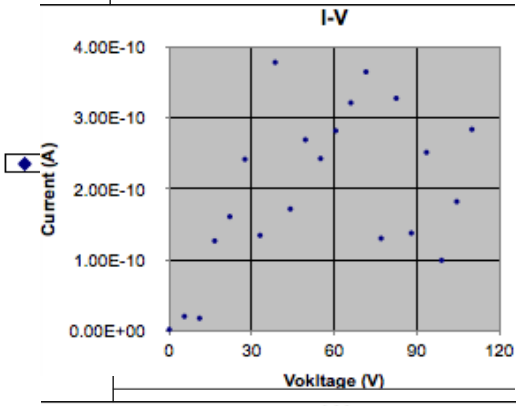
90
120


I-V
Current (A)
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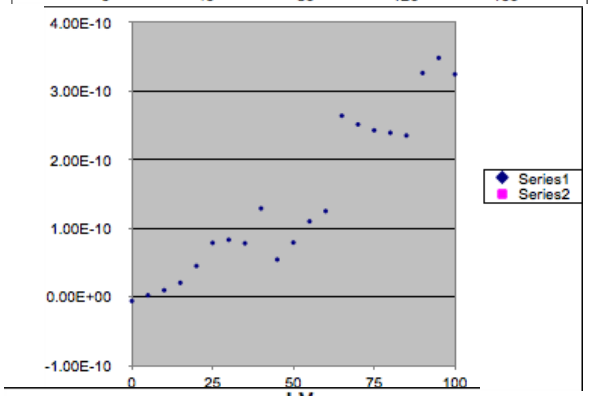
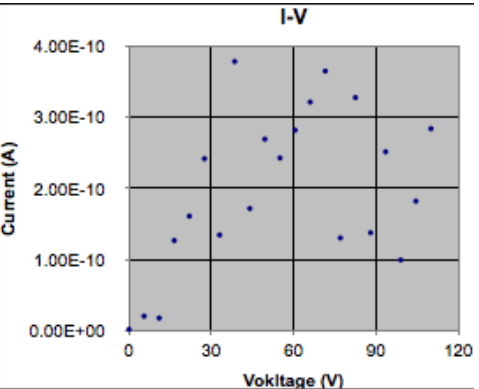
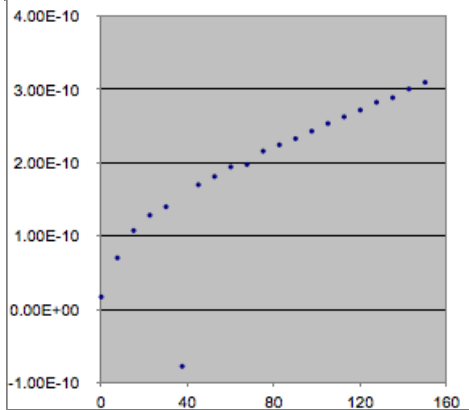
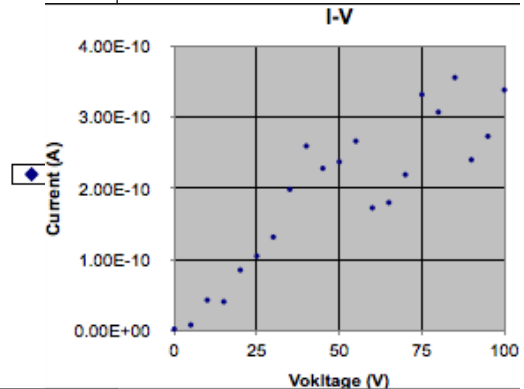
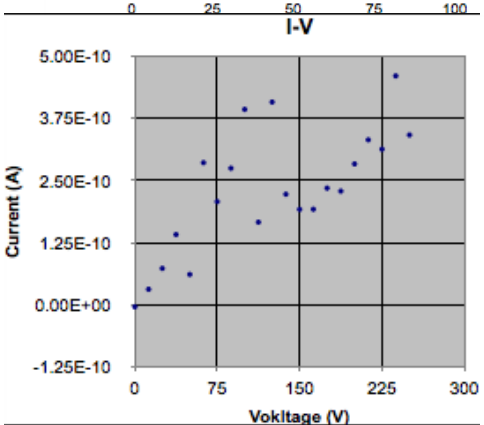
2.00E-10
1.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)


4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
-1.00E-10
0
25
50
75
100
Series1
Series2

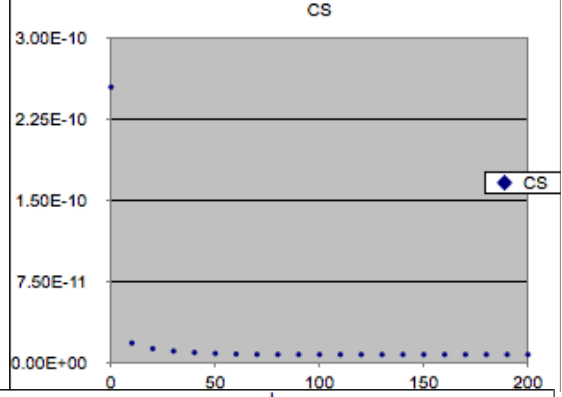

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
30
60
90
120
Voltage (V)

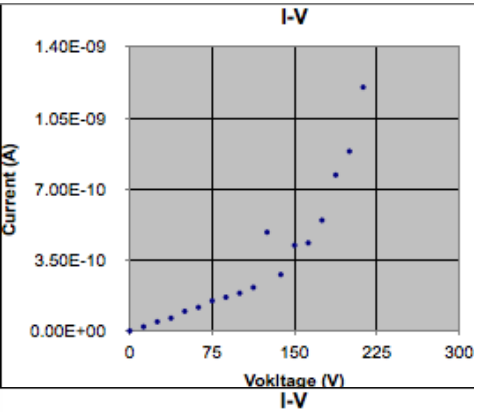

4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
-1.00E-10
0
40
80
120
160

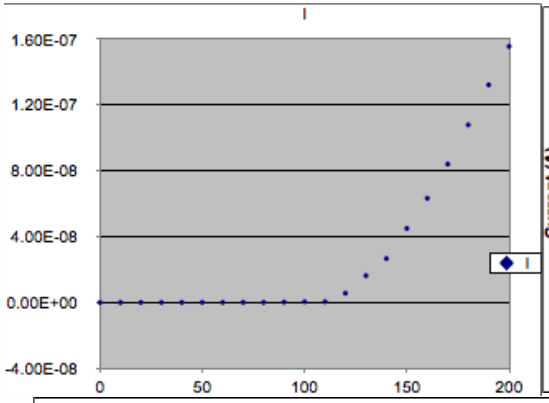

I-V
Current (A)
4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
0
25
50
75
100
Voltage (V)

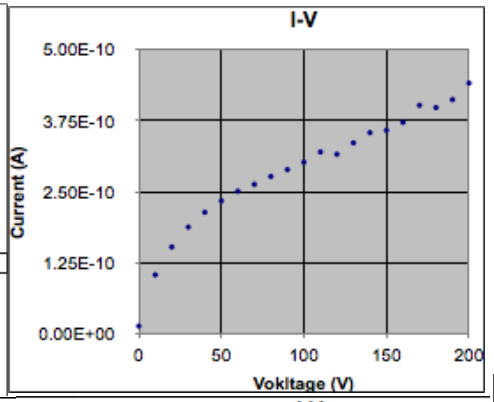

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
-1.25E-10
0
75
150
225
300
Voltage (V)

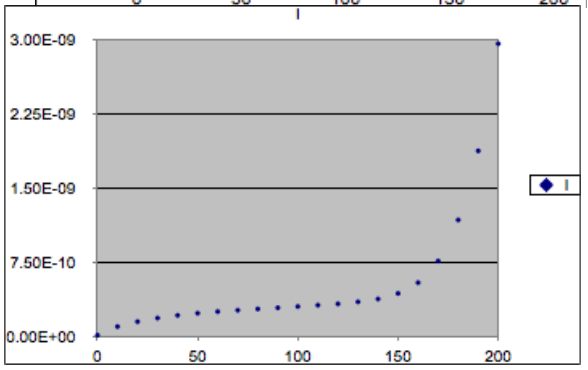
1583.21

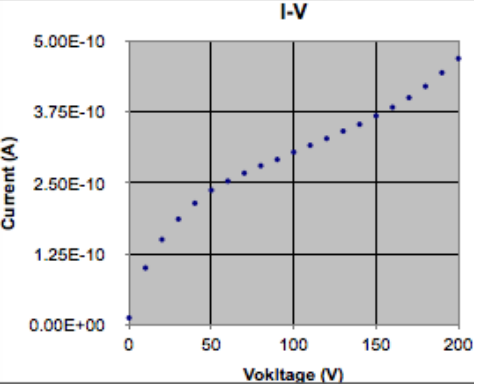

CS
3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
0
50
100
150
200
CS

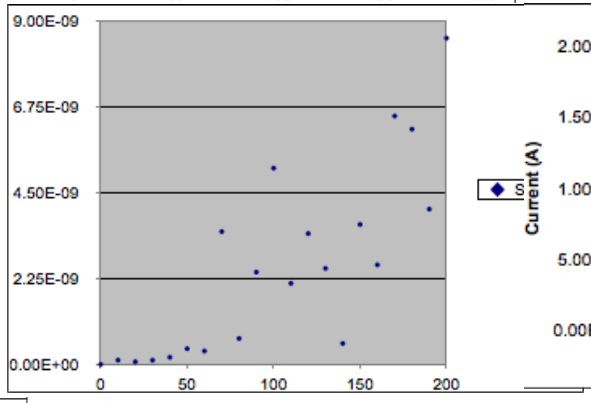

I-V
Current (A)
1.40E-09
1.05E-09
7.00E-10
3.50E-10
0.00E+00
0
75
150
225
300
Voltage (V)

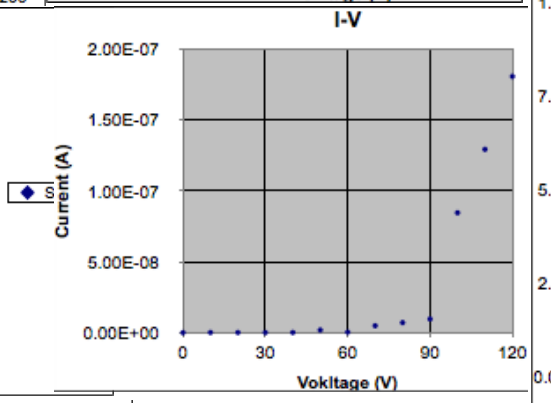

I
1.60E-07
1.20E-07
8.00E-08
4.00E-08
0.00E+00
-4.00E-08
0
50
100
150
200
I

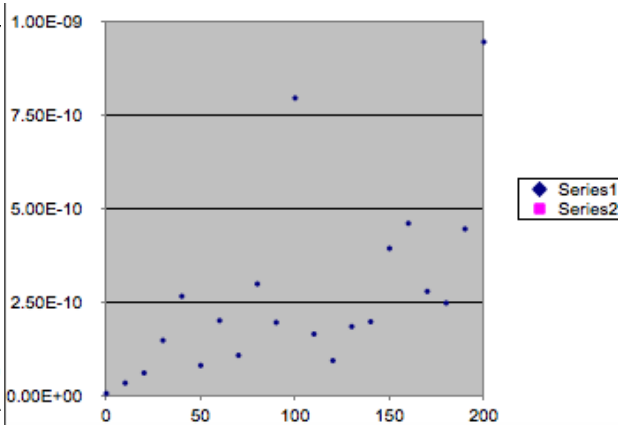

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150
200
Voltage (V)

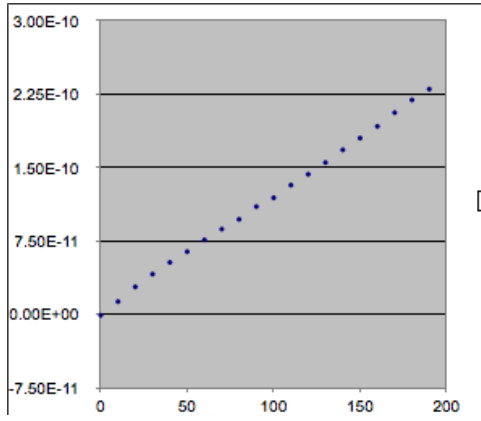

I
3.00E-09
2.25E-09
1.50E-09
7.50E-10
0.00E+00
0
50
100
150
200
I

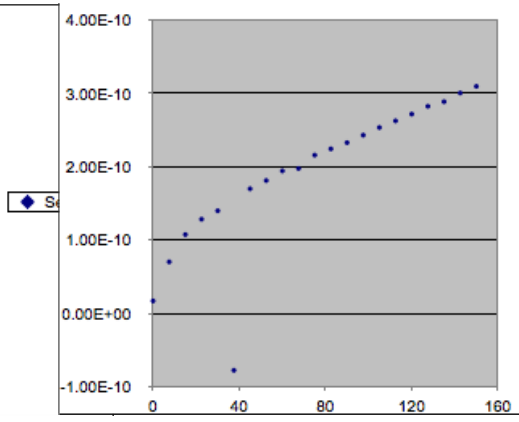

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150
200
Voltage (V)

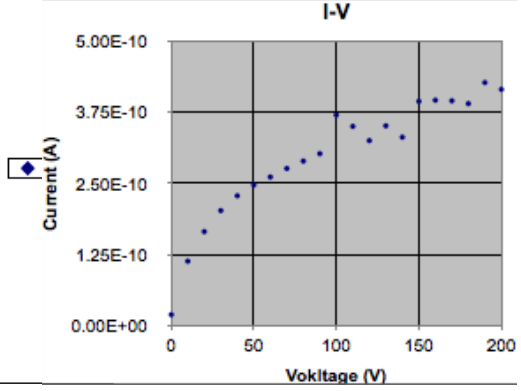

9.00E-09
6.75E-09
4.50E-09
2.25E-09
0.00E+00
0
50
100
150
200
S

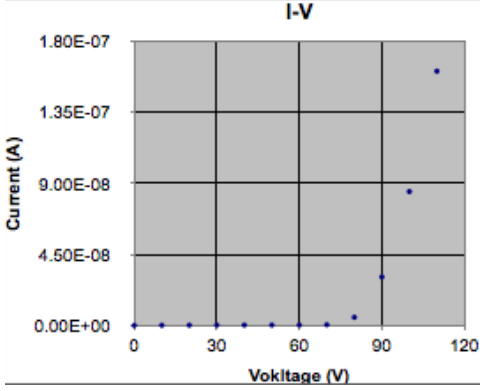

I-V
Current (A)
2.00E-07
1.50E-07
1.00E-07
5.00E-08
0.00E+00
0
30
60
90
120
Voltage (V)


1.00E-09
7.50E-10
5.00E-10
2.50E-10
0.00E+00
0
50
100
150
200
Series1
Series2

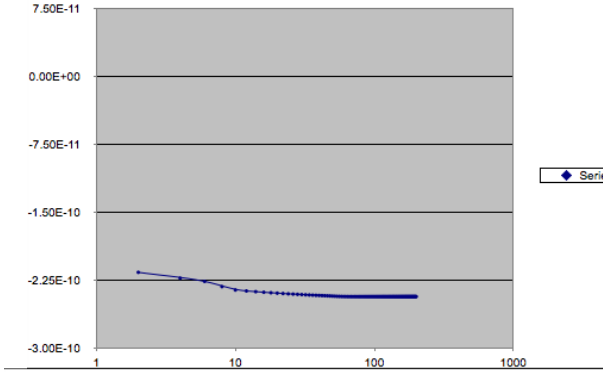

3.00E-10
2.25E-10
1.50E-10
7.50E-11
0.00E+00
-7.50E-11
0
50
100
150
200

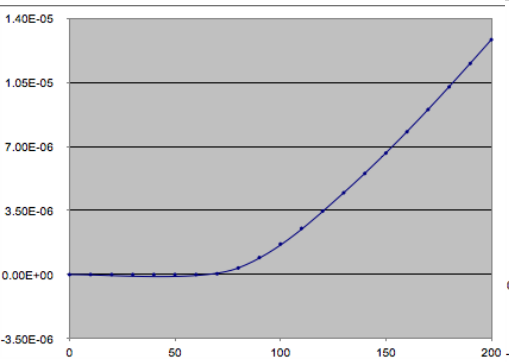

4.00E-10
3.00E-10
2.00E-10
1.00E-10
0.00E+00
-1.00E-10
0
40
80
120
160
S

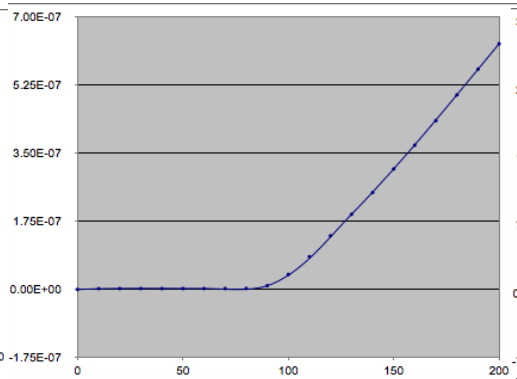

I-V
Current (A)
5.00E-10
3.75E-10
2.50E-10
1.25E-10
0.00E+00
0
50
100
150
200
Voltage (V)

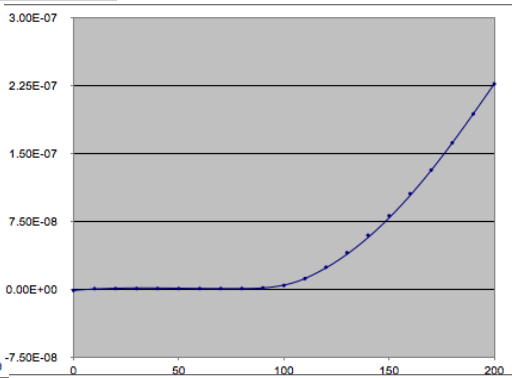

I-V
Current (A)
1.80E-07
1.35E-07
9.00E-08
4.50E-08
0.00E+00
0
30
60
90
120
Voltage (V)

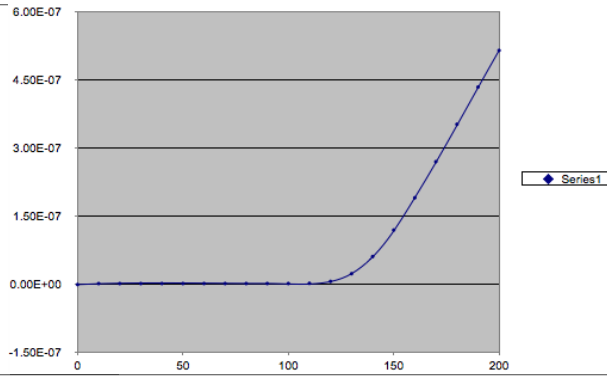
1584.2

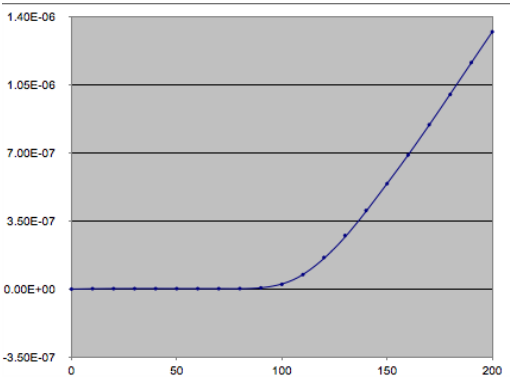

7.50E-11
0.00E+00
-7.50E-11
-1.50E-10
-2.25E-10
-3.00E-10
1
10
100
1000

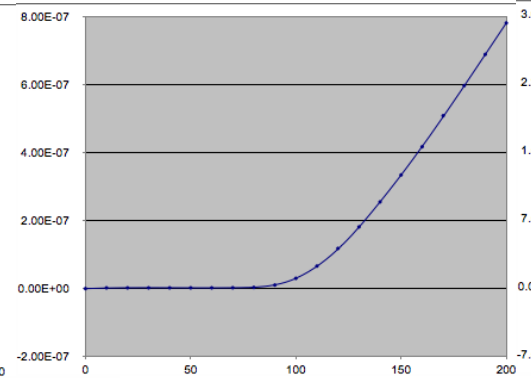

1.40E-05
1.05E-05
7.00E-06
3.50E-06
0.00E+00
-3.50E-06
0
50
100
150
200

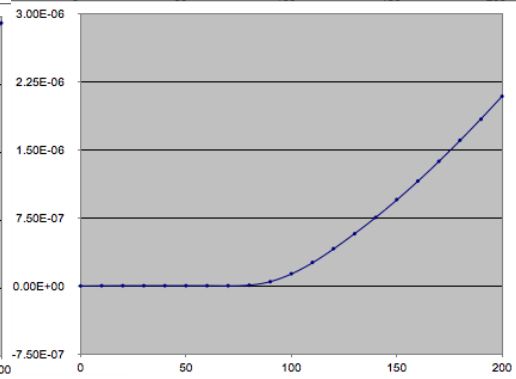

7.00E-07
5.25E-07
3.50E-07
1.75E-07
0.00E+00
-1.75E-07
0
50
100
150
200

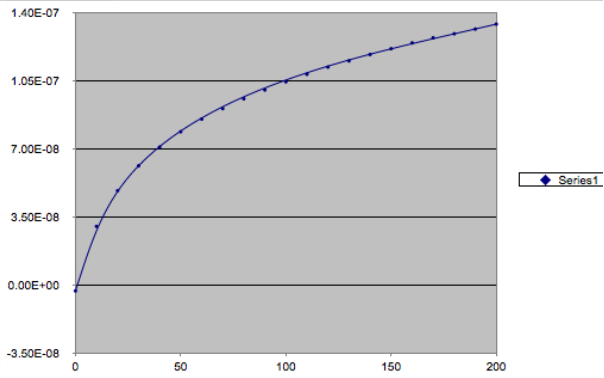

3.00E-07
2.25E-07
1.50E-07
7.50E-08
0.00E+00
-7.50E-08
0
50
100
150
200

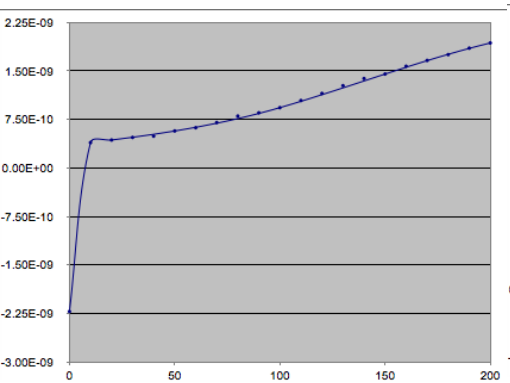

6.00E-07
4.50E-07
3.00E-07
1.50E-07
0.00E+00
-1.50E-07
0
50
100
150
200
Series1

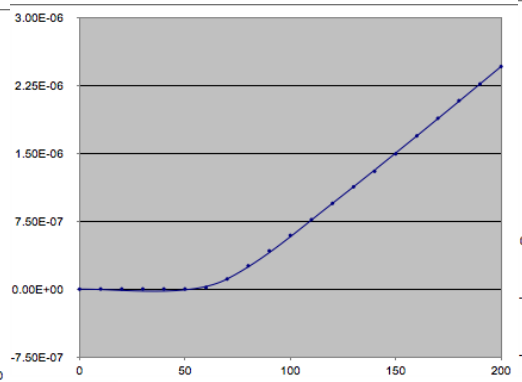

1.40E-06
1.05E-06
7.00E-07
3.50E-07
0.00E+00
-3.50E-07
0
50
100
150
200

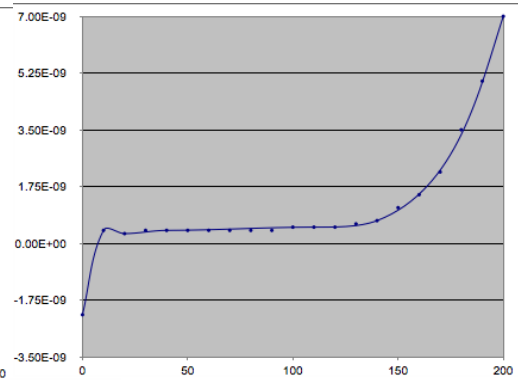

8.00E-07
6.00E-07
4.00E-07
2.00E-07
0.00E+00
-2.00E-07
0
50
100
150
200

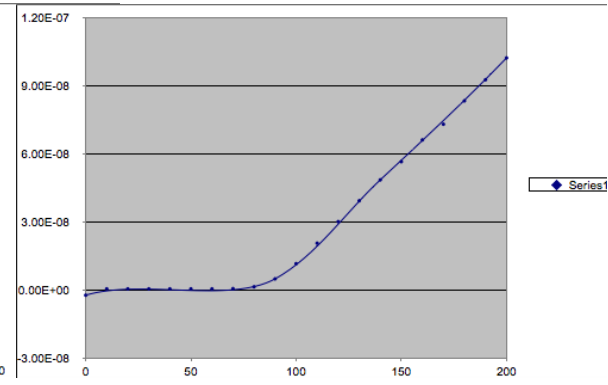

3.00E-06
2.25E-06
1.50E-06
7.50E-07
0.00E+00
-7.50E-07
0
50
100
150
200


1.40E-07
1.05E-07
7.00E-08
3.50E-08
0.00E+00
-3.50E-08
0
50
100
150
200
Series1

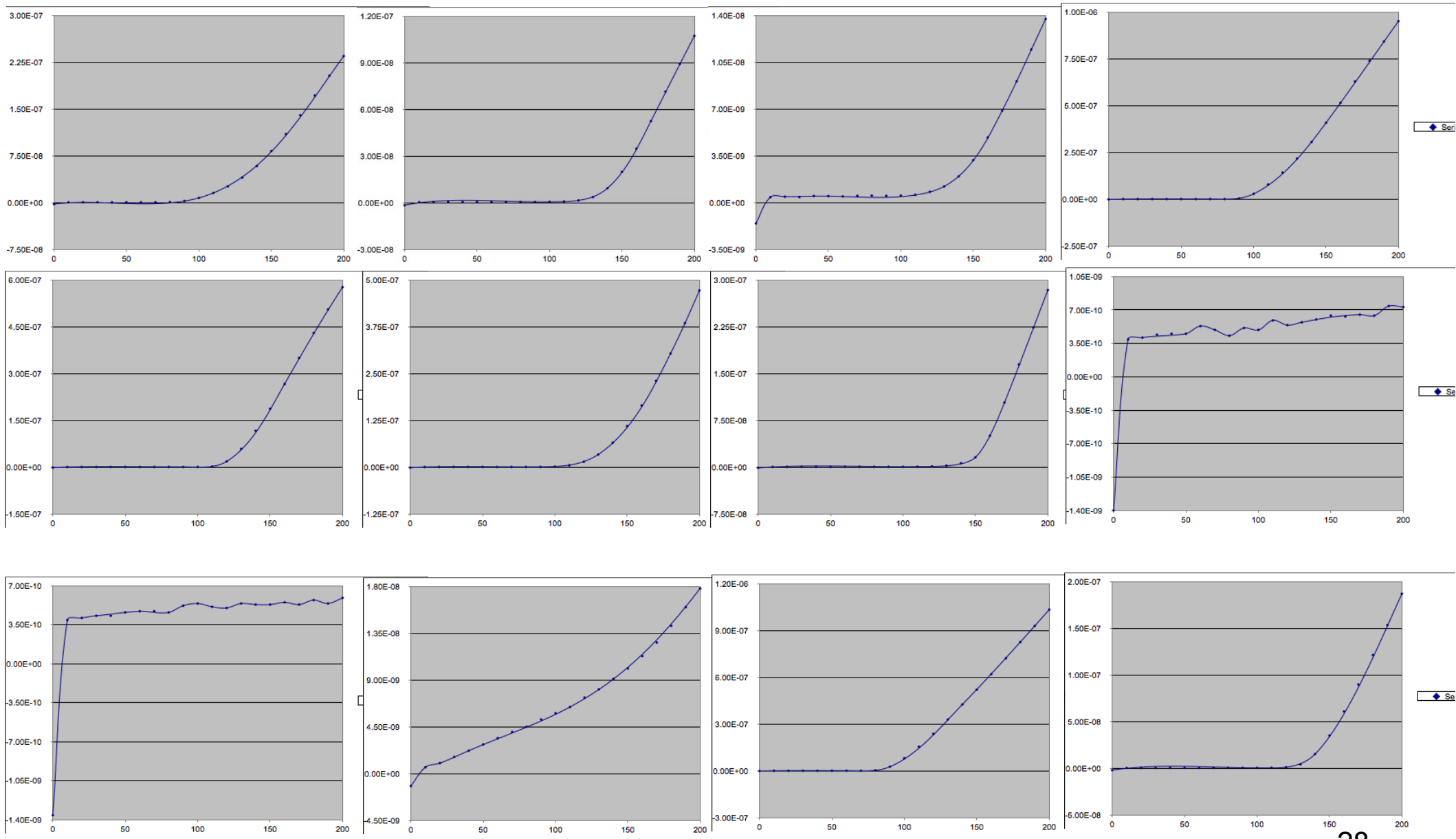

2.25E-09
1.50E-09
7.50E-10
0.00E+00
-7.50E-10
-1.50E-09
-2.25E-09
-3.00E-09
0
50
100
150
200


3.00E-06
2.25E-06
1.50E-06
7.50E-07
0.00E+00
-7.50E-07
0
50
100
150
200

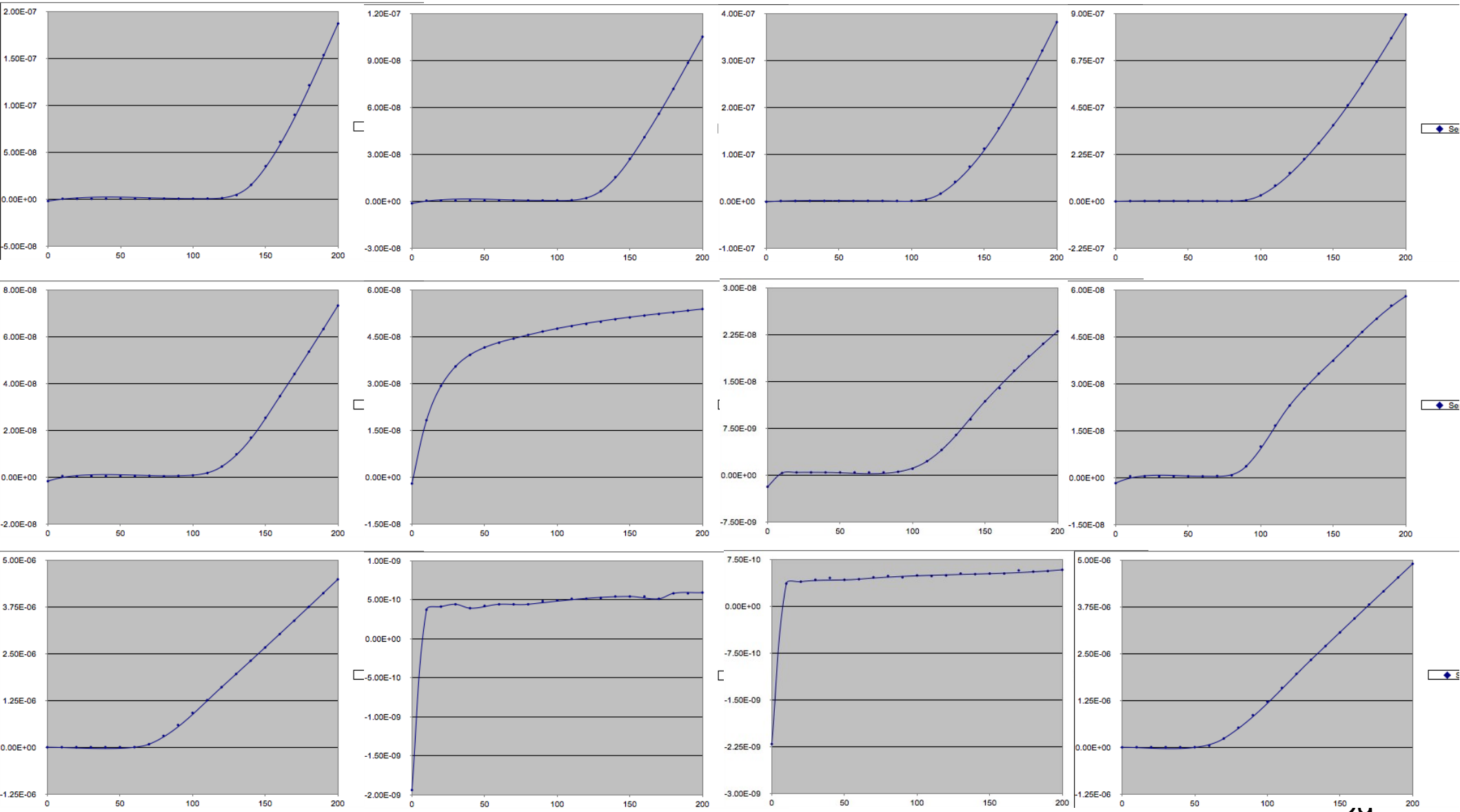

7.00E-09
5.25E-09
3.50E-09
1.75E-09
0.00E+00
-1.75E-09
-3.50E-09
0
50
100
150
200


1.20E-07
9.00E-08
6.00E-08
3.00E-08
0.00E+00
-3.00E-08
0
50
100
150
200
Series1

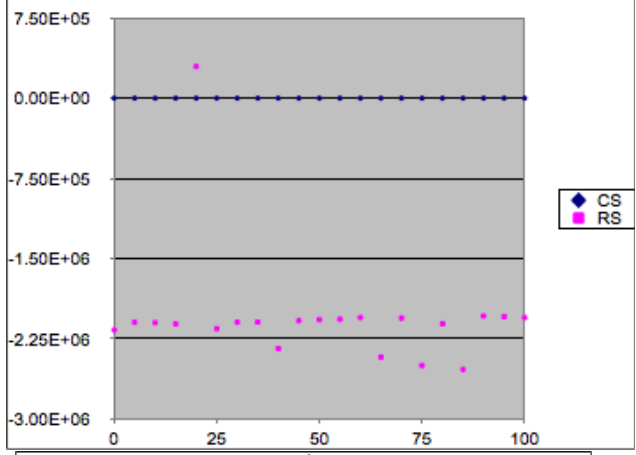
1584.5

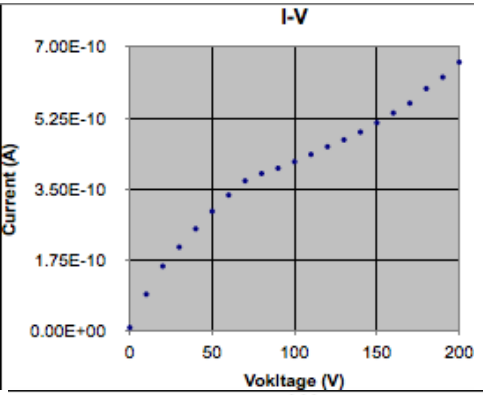

3.00E-07
2.25E-07
1.50E-07
7.50E-08
0.00E+00
-7.50E-08
1.20E-07
9.00E-08
6.00E-08
3.00E-08
0.00E+00
-3.00E-08
1.40E-08
1.05E-08
7.00E-09
3.50E-09
0.00E+00
-3.50E-09
1.00E-06
7.50E-07
5.00E-07
2.50E-07
0.00E+00
-2.50E-07
6.00E-07
4.50E-07
3.00E-07
1.50E-07
0.00E+00
-1.50E-07
5.00E-07
3.75E-07
2.50E-07
1.25E-07
0.00E+00
-1.25E-07
3.00E-07
2.25E-07
1.50E-07
7.50E-08
0.00E+00
-7.50E-08
1.05E-09
7.00E-10
3.50E-10
0.00E+00
-3.50E-10
-7.00E-10
-1.05E-09
-1.40E-09
7.00E-10
3.50E-10
0.00E+00
-3.50E-10
-7.00E-10
-1.05E-09
-1.40E-09
1.80E-08
1.35E-08
9.00E-09
4.50E-09
0.00E+00
-4.50E-09
1.20E-06
9.00E-07
6.00E-07
3.00E-07
0.00E+00
-3.00E-07
2.00E-07
1.50E-07
1.00E-07
5.00E-08
0.00E+00
-5.00E-08
0
50
100
150
200

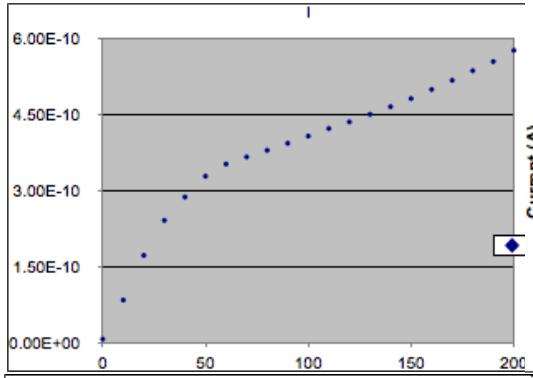
1584.6

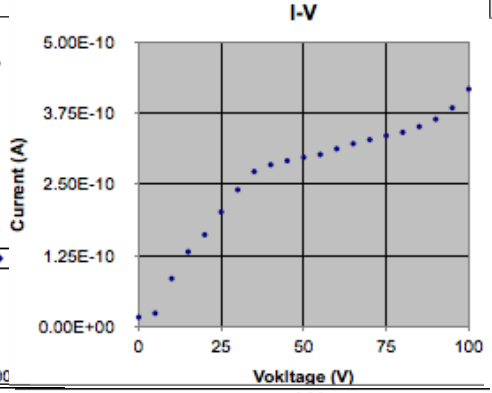

2.00E-07
1.50E-07
1.00E-07
5.00E-08
0.00E+00
-5.00E-08
1.20E-07
9.00E-08
6.00E-08
3.00E-08
0.00E+00
-3.00E-08
4.00E-07
3.00E-07
2.00E-07
1.00E-07
0.00E+00
-1.00E-07
9.00E-07
6.75E-07
4.50E-07
2.25E-07
0.00E+00
-2.25E-07
8.00E-08
6.00E-08
4.00E-08
2.00E-08
0.00E+00
-2.00E-08
6.00E-08
4.50E-08
3.00E-08
1.50E-08
0.00E+00
-1.50E-08
3.00E-08
2.25E-08
1.50E-08
7.50E-09
0.00E+00
-7.50E-09
6.00E-08
4.50E-08
3.00E-08
1.50E-08
0.00E+00
-1.50E-08
5.00E-06
3.75E-06
2.50E-06
1.25E-06
0.00E+00
-1.25E-06
1.00E-09
5.00E-10
0.00E+00
-5.00E-10
-1.00E-09
-1.50E-09
-2.00E-09
7.50E-10
0.00E+00
-7.50E-10
-1.50E-09
-2.25E-09
-3.00E-09
5.00E-06
3.75E-06
2.50E-06
1.25E-06
0.00E+00
-1.25E-06
0
50
100
150
200

1589.27


7.50E+05
0.00E+00
-7.50E+05
-1.50E+06
-2.25E+06
-3.00E+06
0
25
50
75
100
CS
RS


I-V
Current (A)
7.00E-10
5.25E-10
3.50E-10
1.75E-10
0.00E+00
0
50
100
150
200
Voltage (V)


I
6.00E-10
4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
50
100
150
200


I-V
Current (A)
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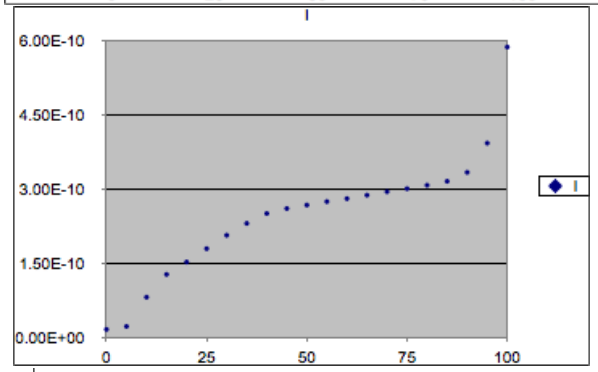
2.50E-10
1.25E-10
0.00E+00
0
25
50
75
100
Voltage (V)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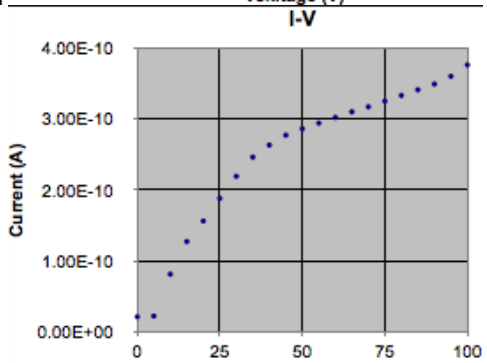
1.50E-10
0.00E+00
0
25
50
75
100
I


I-V
Current (A)
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3.00E-10
2.00E-10
1.00E-10
0.00E+00
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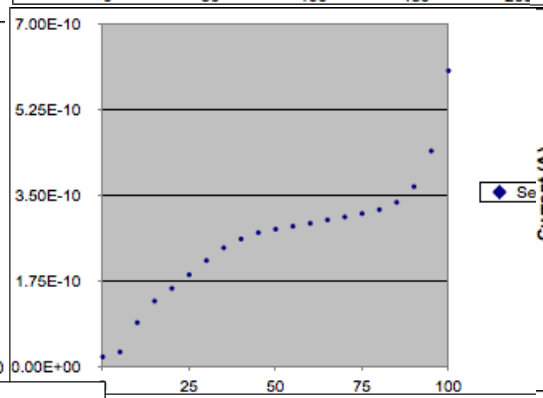
75
100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25
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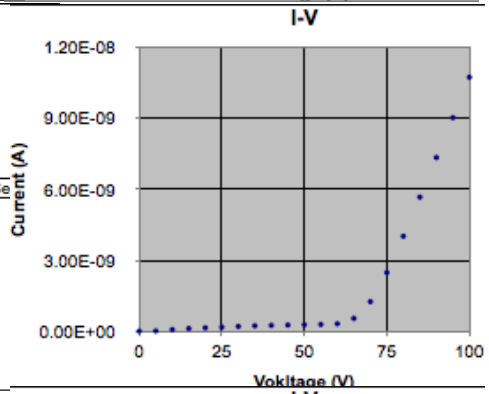
I-V
Current (A)
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9.00E-09
6.00E-09
3.00E-09
0.00E+00
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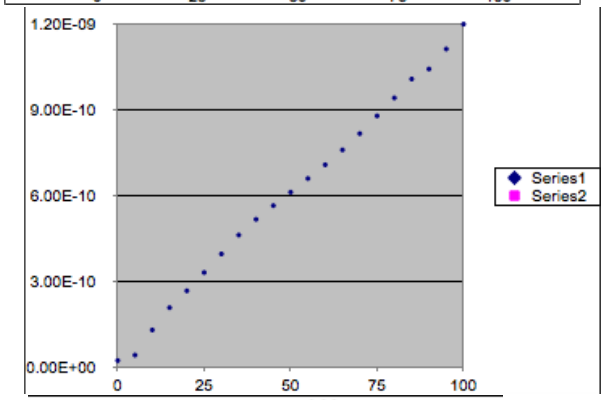
25
50
75
100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6.00E-10
3.00E-10
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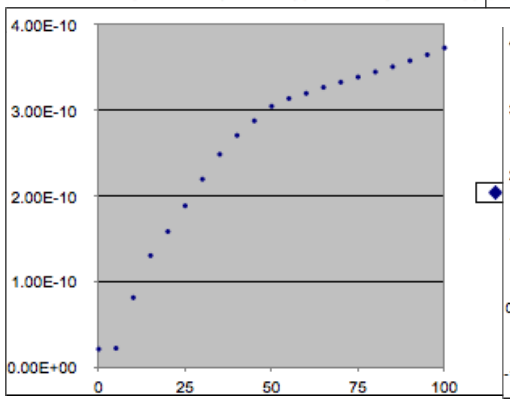
50
75
100
Series1
Series2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2.00E-10
1.00E-10
0.00E+00
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75
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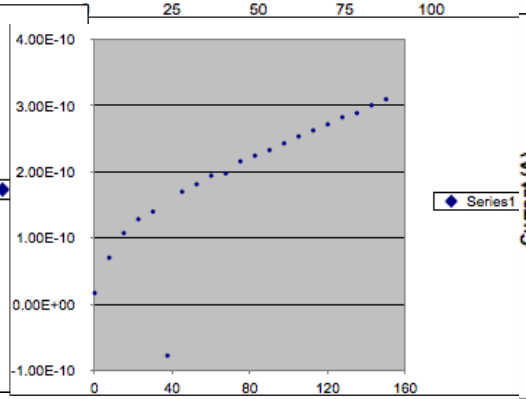
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2.00E-10
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0.00E+00
-1.00E-10
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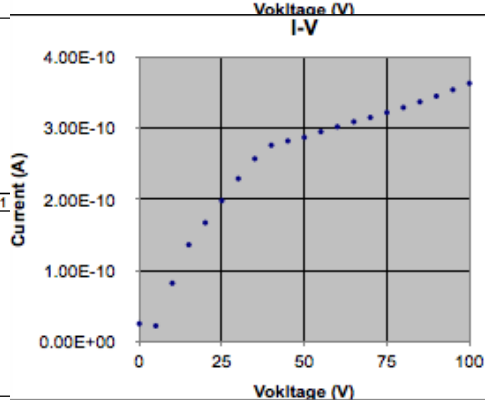
120
160


I-V
Current (A)
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2.00E-10
1.00E-10
0.00E+00
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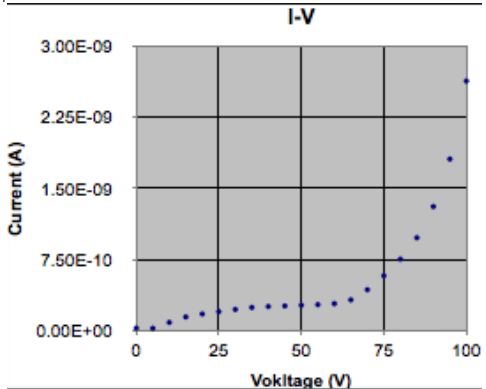
75
100
Voltage (V)
Series1


I-V
Current (A)
3.00E-09
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7.50E-10
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50
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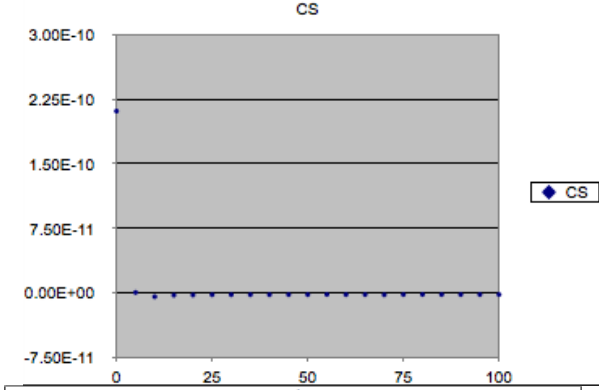
100
Voltage (V)

1589.28


CS
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0.00E+00
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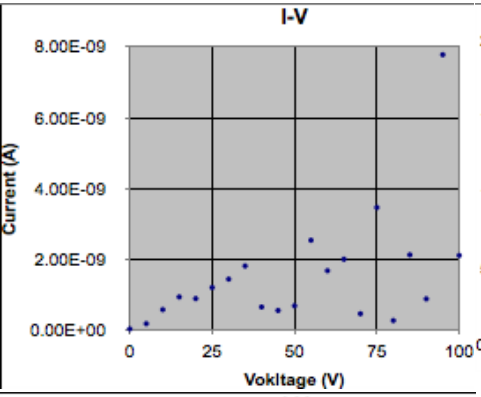
25
50
75
100
CS


I-V
Current (A)
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6.00E-09
4.00E-09
2.00E-09
0.00E+00
0
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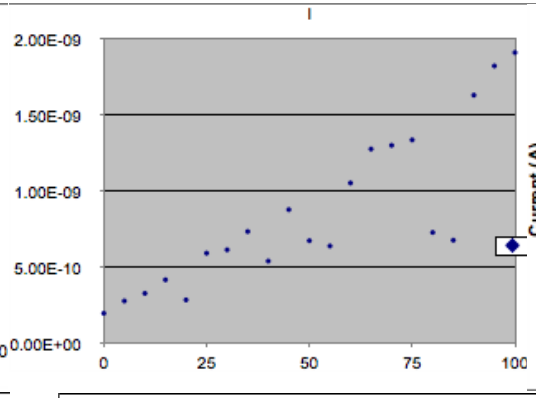
50
75
100
Voltage (V)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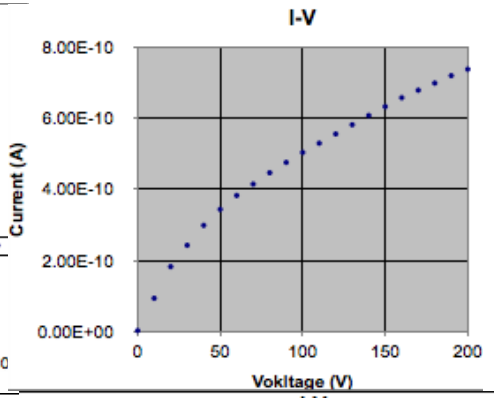
1.50E-09
1.00E-09
5.00E-10
0.00E+00
0
25
50
75
100


I-V
Current (A)
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2.00E-10
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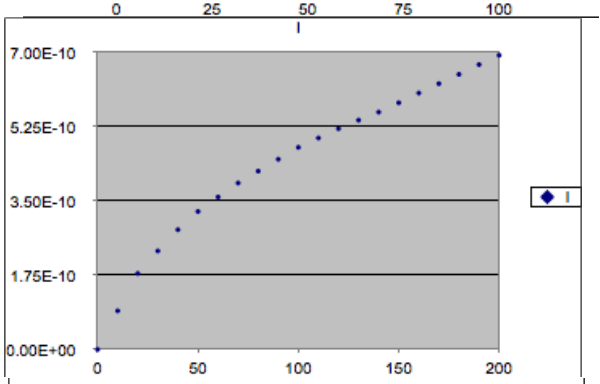
200
Voltage (V)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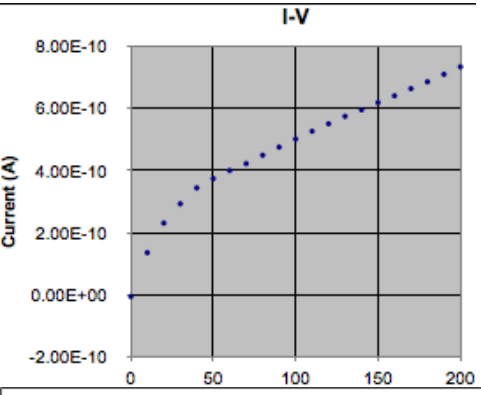
I


I-V
Current (A)
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4.00E-10
2.00E-10
0.00E+00
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150
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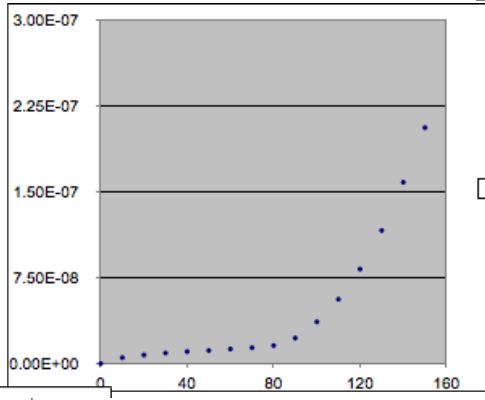
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0.00E+00
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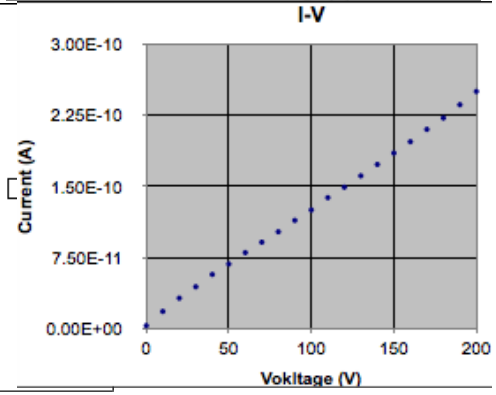
I-V
Current (A)
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2.25E-10
1.50E-10
7.50E-11
0.00E+00
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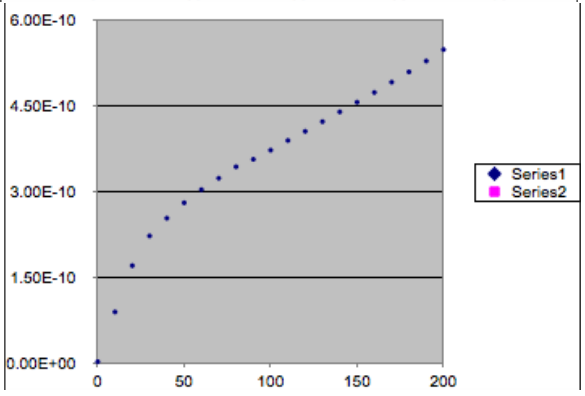
100
150
200
Voltage (V)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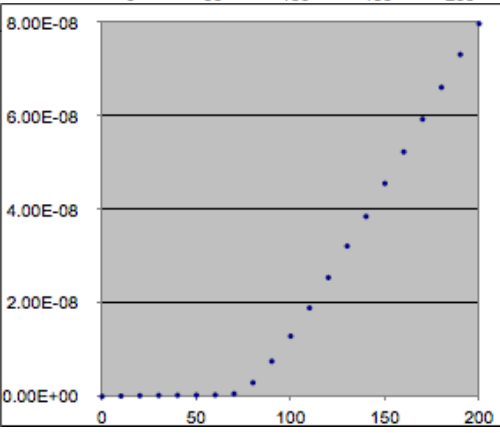
200
Series1
Series2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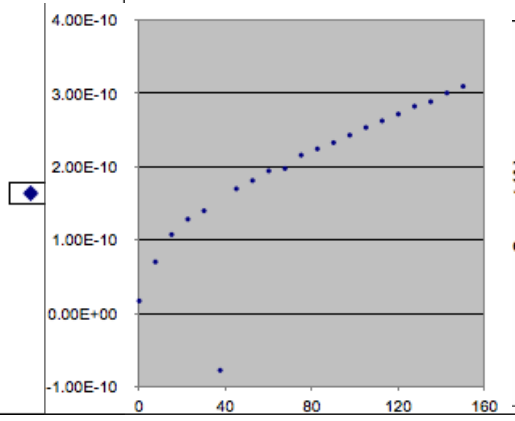
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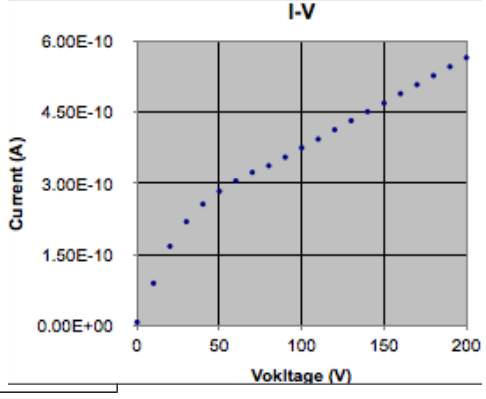
80
120
160


I-V
Current (A)
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1.50E-10
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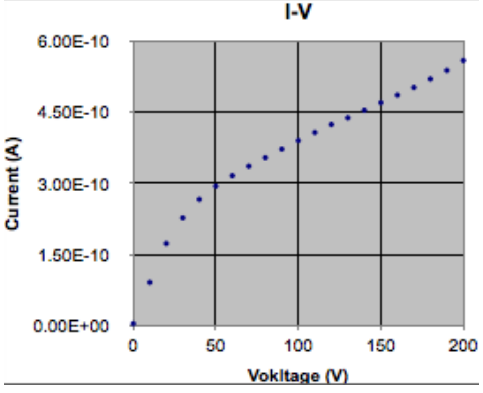
100
150
200
Voltage (V)


I-V
Current (A)
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1.50E-10
0.00E+00
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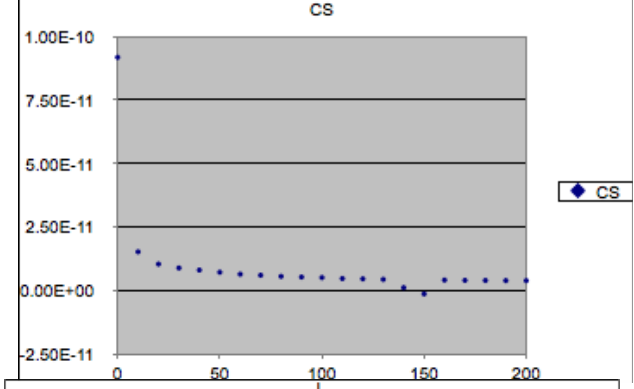
100
150
200
Voltage (V)

1590.24


CS
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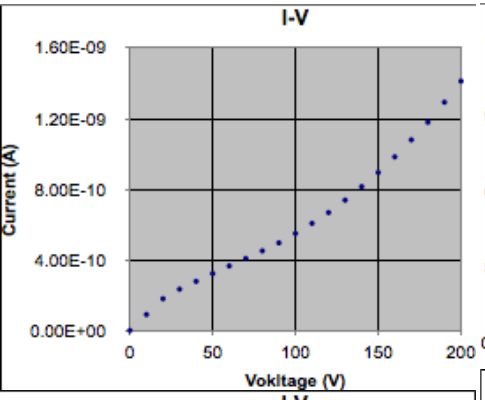
0.00E+00
-2.50E-11
0
50
100
150
200
CS


I-V
Current (A)
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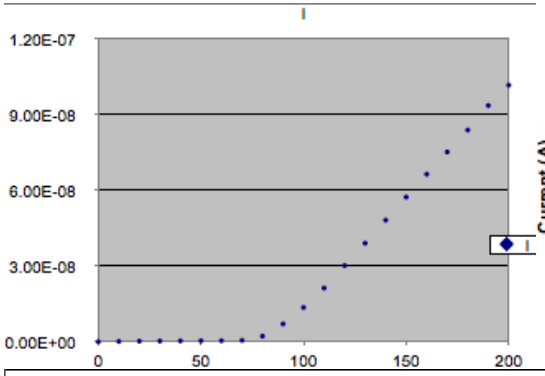
4.00E-10
0.00E+00
0
50
100
150
200
Voltage (V)


I
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3.00E-08
0.00E+00
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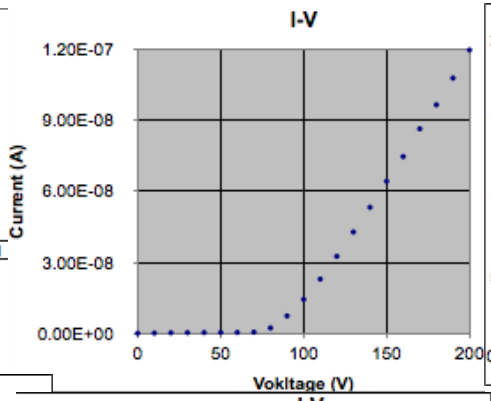
100
150
200
I


I-V
Current (A)
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3.00E-08
0.00E+00
0
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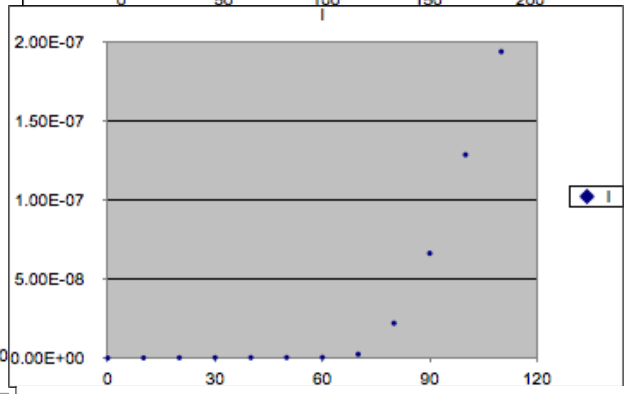
100
150
200
Voltage (V)


I
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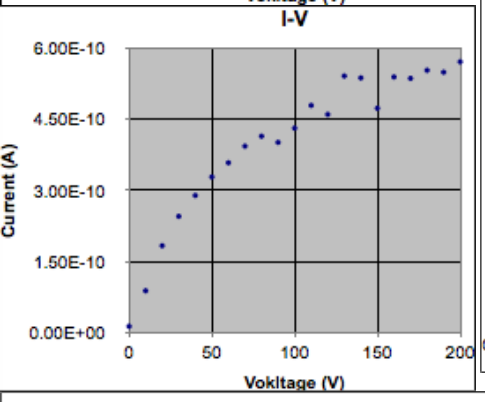
1.00E-07
5.00E-08
0.00E+00
0
30
60
90
120
I


I-V
Current (A)
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1.50E-10
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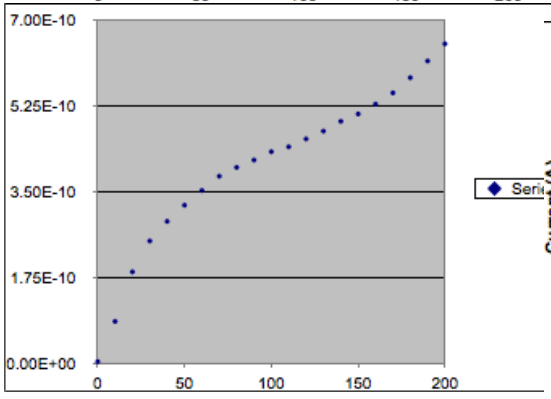
50
100
150
200
Voltage (V)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0.00E+00
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100
150
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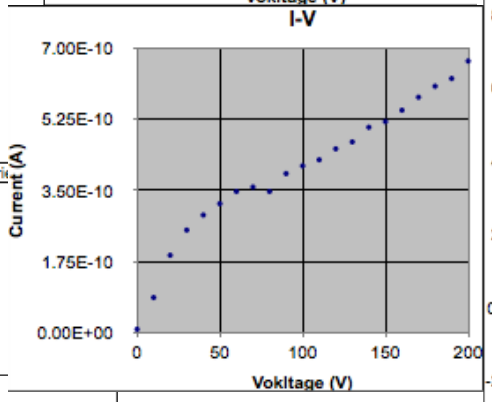
I-V
Current (A)
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3.50E-10
1.75E-10
0.00E+00
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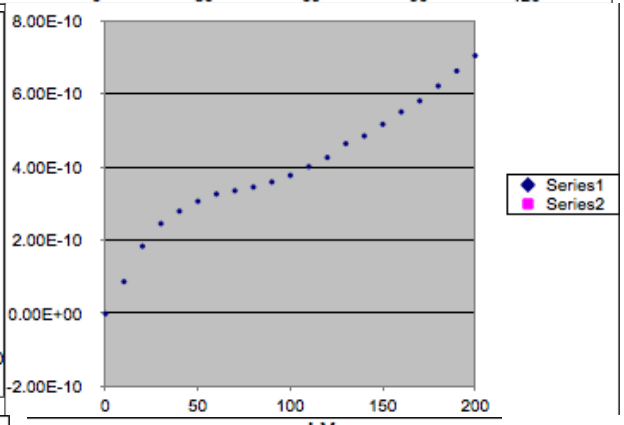
100
150
200
Voltage (V)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6.00E-10
4.00E-10
2.00E-10
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-2.00E-10
0
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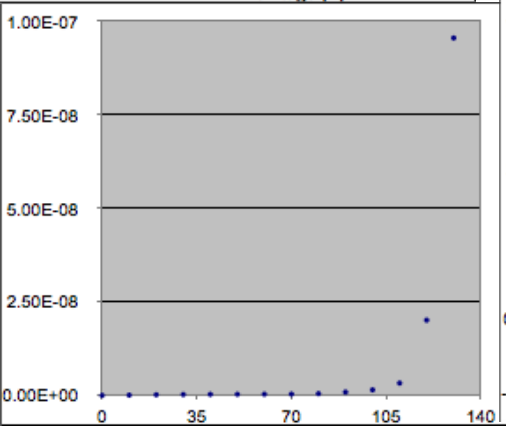
100
150
200
Series1
Series2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2.50E-08
0.00E+00
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105
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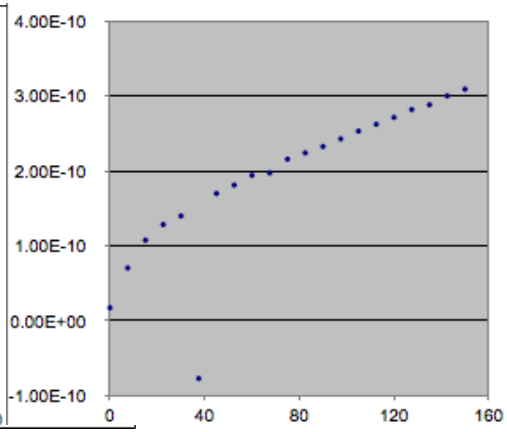
4.00E-10
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2.00E-10
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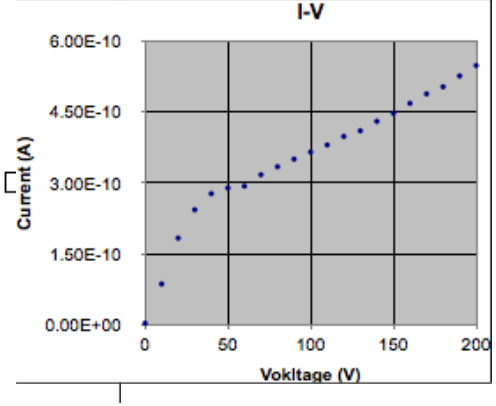
I-V
Current (A)
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3.00E-10
1.50E-10
0.00E+00
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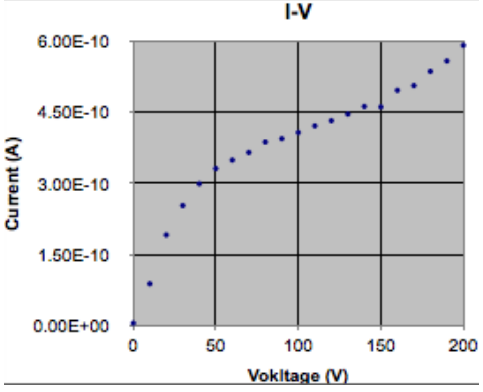
100
150
200
Voltage (V)


I-V
Current (A)
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4.50E-10
3.00E-10
1.50E-10
0.00E+00
0
50
100
150
200
Voltage (V)