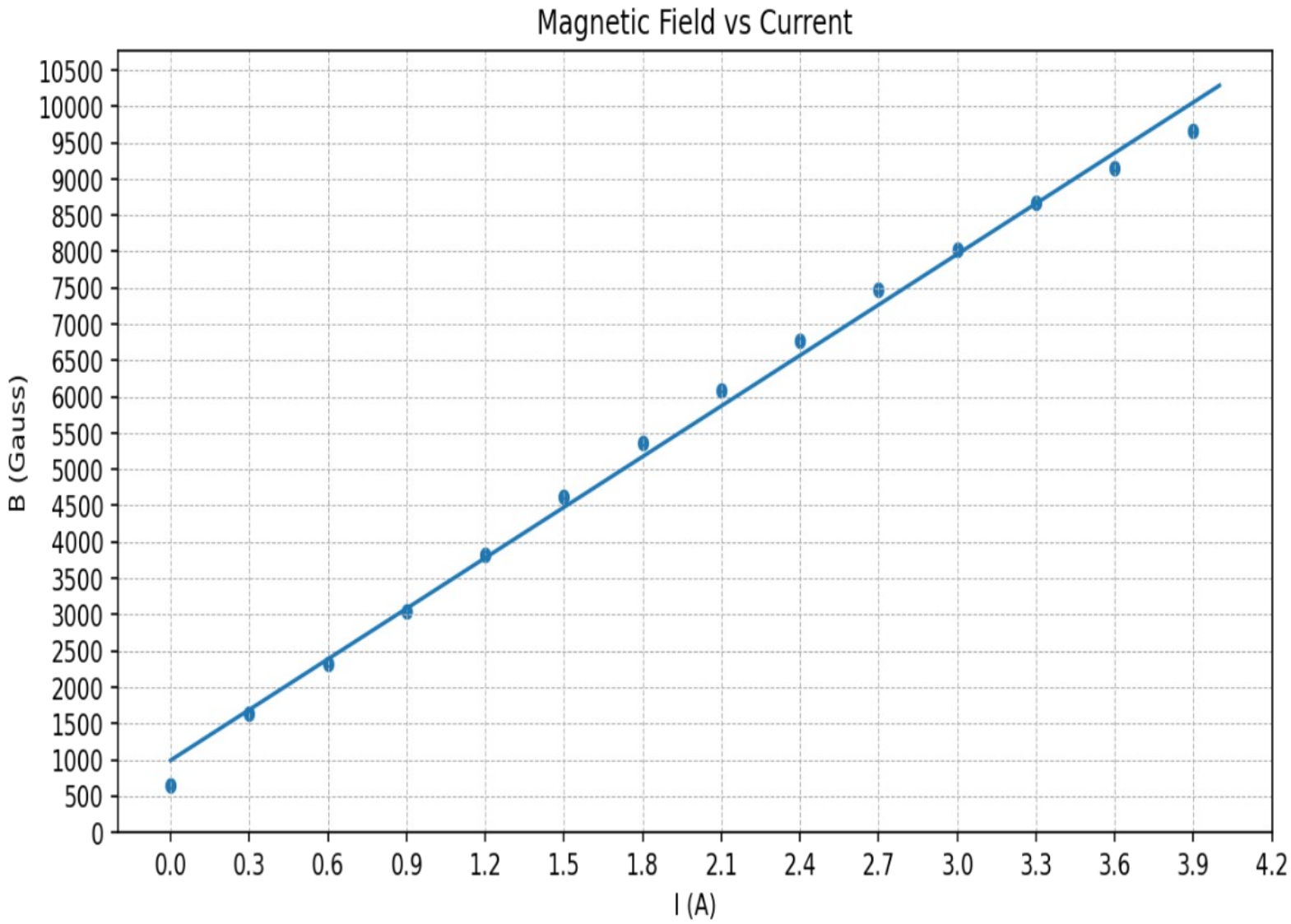
Magnetic Field vs Current
B (Gauss)
10500
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0.0
0.3
0.6
0.9
1.2
1.5
1.8
2.1
2.4
2.7
3.0
3.3
3.6
3.9
4.2
I (A)

Current vs Magnetic Field-

	B (Gauss)	I (A)
0	650	0.0
1	1640	0.3
2	2320	0.6
3	3050	0.9
4	3820	1.2
5	4620	1.5
6	5370	1.8
7	6090	2.1
8	6780	2.4
9	7480	2.7
10	8020	3.0
11	8680	3.3
12	9150	3.6
13	9660	3.9

Without Splitting-

	Ring	Radius (Pixel)	Radius (micro meter)	Radius^2 (micrometer^2)	Thickness t (mm)
0	1	67.0	187.6	0.00	NaN
1	2	161.5	452.2	169291.08	13.63
2	3	228.0	638.4	372360.80	12.39

Average Thickness = 13.01 mm
Average Thickness = 0.013 m

With Splittng-
1.
I = 2A
B = 0.56 T

	Ring	Radius (Pixel)	Radius (micro meter)	Radius^2 (micrometer^2)
0	1 a	120	336.0	112896.00
1	1 b	184	515.2	265431.04
2	1 c	265	742.0	550564.00
3	2 a	316	884.8	782871.04
4	2 b	362	1013.6	1027384.96
5	2 c	411	1150.8	1324340.64
6	3 a	452	1265.6	1601743.36
7	3 b	483	1352.4	1828985.76
8	3 c	513	1436.4	2063244.96

	Rings	a	δab	b	δbc	c
0	1	112896.00	152535.04	265431.04	285132.96	550564.00
1	δ12	669975.04	NaN	761953.92	NaN	773776.64
2	2	782871.04	244513.92	1027384.96	296955.68	1324340.64
3	δ23	818872.32	NaN	801600.80	NaN	738904.32
4	3	1601743.36	227242.4	1828985.76	234259.2	2063244.96

Average δab = 208097.11 micrometer^2
Average δbc = 272115.94 micrometer^2

Average δab = 2.08e-07 meter^2
Average δbc = 2.72e-07 meter^2

Average δ12 = 735235.19 micrometer^2
Average δ23 = 786459.14 micrometer^2

Average δ12 = 7.35e-07 meter^2
Average δ23 = 7.86e-07 meter^2

Average Δ = 7.60e-07 meter^2
Average Vab = 10.51meter^2
Average Vbc = 13.74 meter^2

u0/hc= 43.01

2.
I = 3A
B = 0.8 T

	Ring	Radius (Pixel)	Radius (micro meter)	Radius^2 (micrometer^2)
0	1 a	129	361.2	130465.44
1	1 b	318	890.4	792812.16
2	1 c	451	1262.8	1594663.84
3	2 a	549	1537.2	2362983.84
4	2 b	635	1778.0	3161284.00
5	2 c	709	1985.2	3941019.04
6	3 a	765	2142.0	4588164.00
7	3 b	823	2304.4	5310259.36
8	3 c	882	2469.6	6098924.16

	Rings	a	δab	b	δbc	c
0	1	130465.44	662346.72	792812.16	801851.68	1594663.84
1	δ12	2232518.40	NaN	2368471.84	NaN	2346355.20
2	2	2362983.84	798300.16	3161284.00	779735.04	3941019.04
3	δ23	2225180.16	NaN	2148975.36	NaN	2157905.12
4	3	4588164.00	722095.36	5310259.36	788664.8	6098924.16

Average δab = 727580.74 micrometer^2
Average δbc = 790083.83 micrometer^2

Average δab = 7.27e-07 meter^2
Average δbc = 7.90e-07 meter^2

Average δ12 = 2315781.81 micrometer^2
Average δ23 = 2177353.54 micrometer^2

Average δ12 = 2.31e-06 meter^2
Average δ23 = 2.17e-06 meter^2

Average Δ = 2.24e-06 meter^2
Average Vab = 12.44 meter^2
Average Vbc = 13.51 meter^2
u0/hc= 32.59

3.
I = 3.76 A
B = 0.97 T

	Ring	Radius (Pixel)	Radius (micro meter)	Radius^2 (micrometer^2)
0	1 a	136	380.8	145008.64
1	1 b	237	663.6	440364.96
2	1 c	323	904.4	817939.36
3	2 a	395	1106.0	1223236.00
4	2 b	452	1265.6	1601743.36
5	2 c	505	1414.0	1999396.00
6	3 a	569	1593.2	2538286.24
7	3 b	595	1666.0	2775556.00
8	3 c	636	1780.8	3171248.64

	Rings	a	δab	b	δbc	c
0	1	145008.64	295356.32	440364.96	377574.4	817939.36
1	δ12	1078227.36	NaN	1161378.40	NaN	1181456.64
2	2	1223236.00	378507.36	1601743.36	397652.64	1999396.00
3	δ23	1315050.24	NaN	1173812.64	NaN	1171852.64
4	3	2538286.24	237269.76	2775556.00	395692.64	3171248.64

Average δab = 303711.14micrometer^2
Average δbc = 390306.56 micrometer^2

Average δab = 3.03e-07 meter^2
Average δbc = 3.90e-07 meter^2

Average δ12 = 1140354.13 micrometer^2
Average δ23 = 1220238.50 micrometer^2

Average δ12 = 1.14e-06 meter^2
Average δ23 = 1.22023850666666663e-06 meter^2

Average Δ = 1.18e-06 meter^2
Average Vab = 9.88 meter^2
Average Vbc = 12.70 meter^2

u0/hc= 23.22S