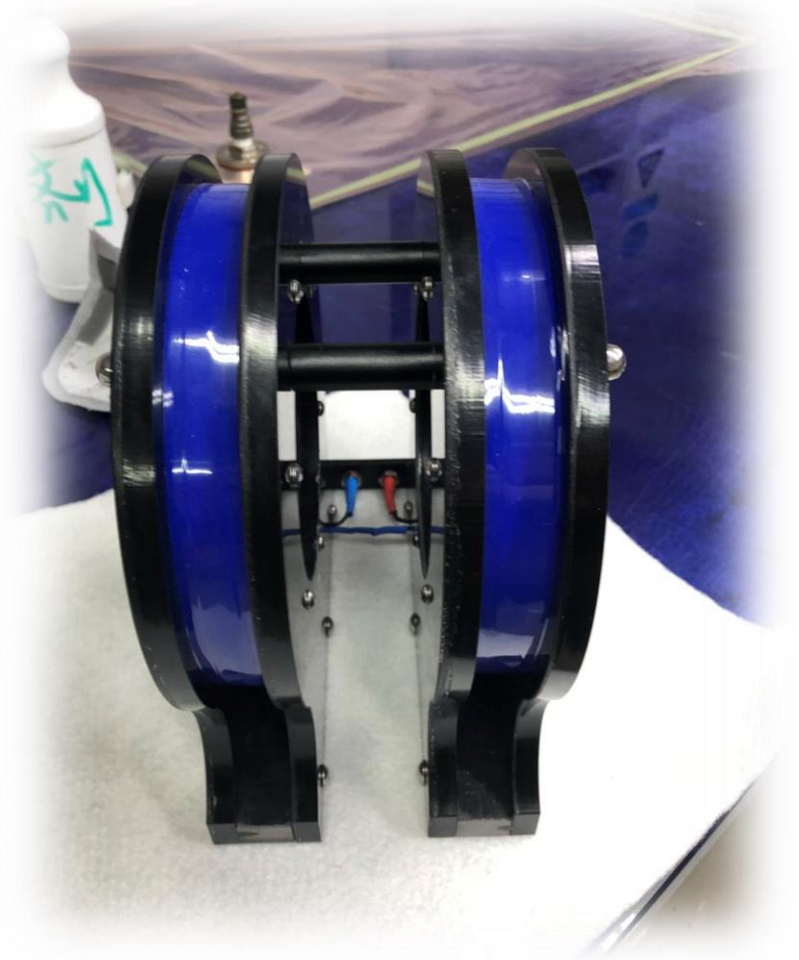
Reports on the coils

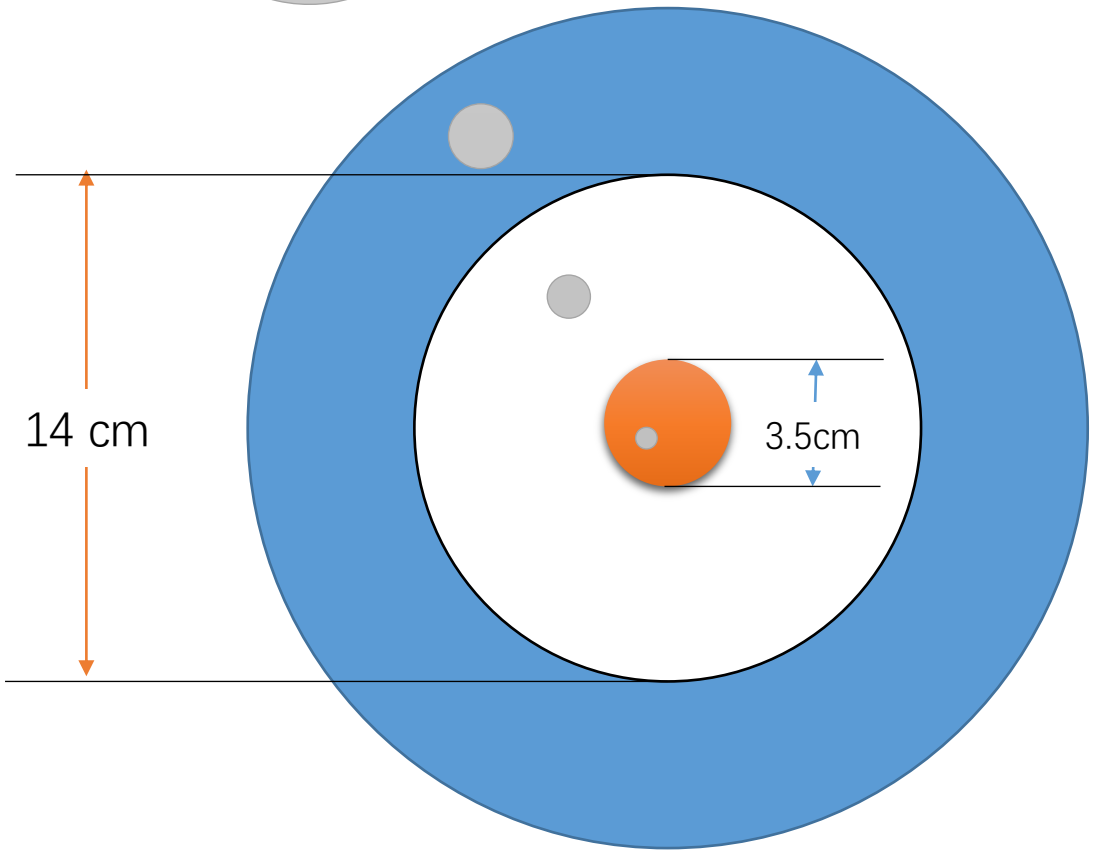
2018.10.13

Dexing’ s coil

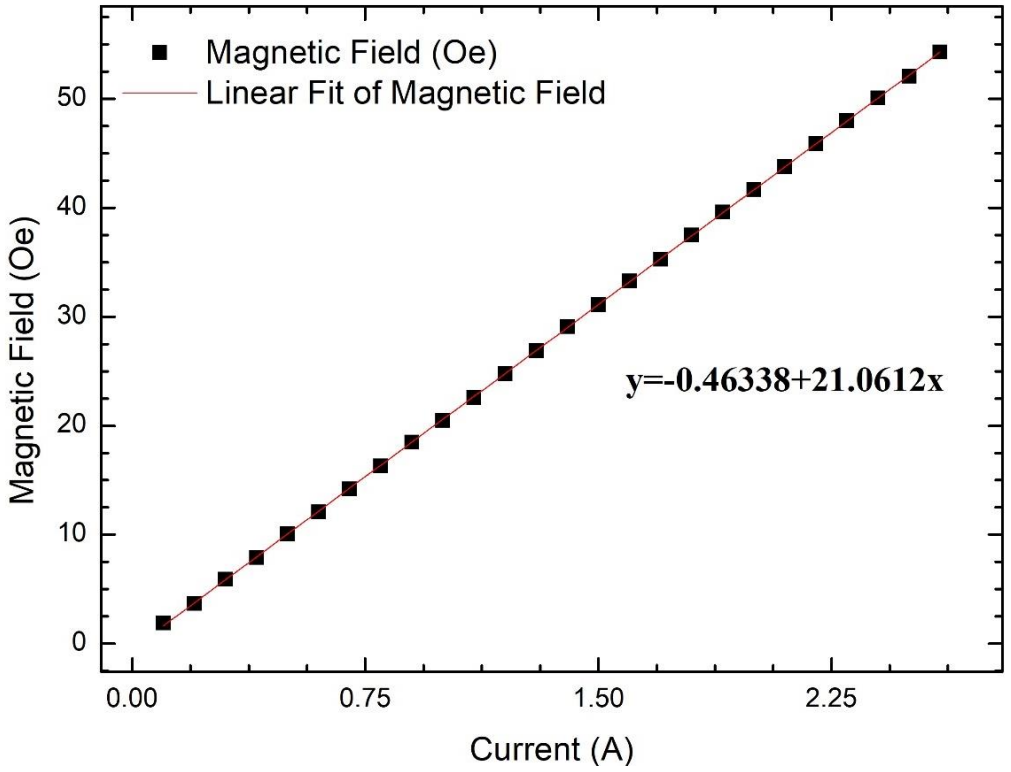


R=2.5Ω

Uniform area



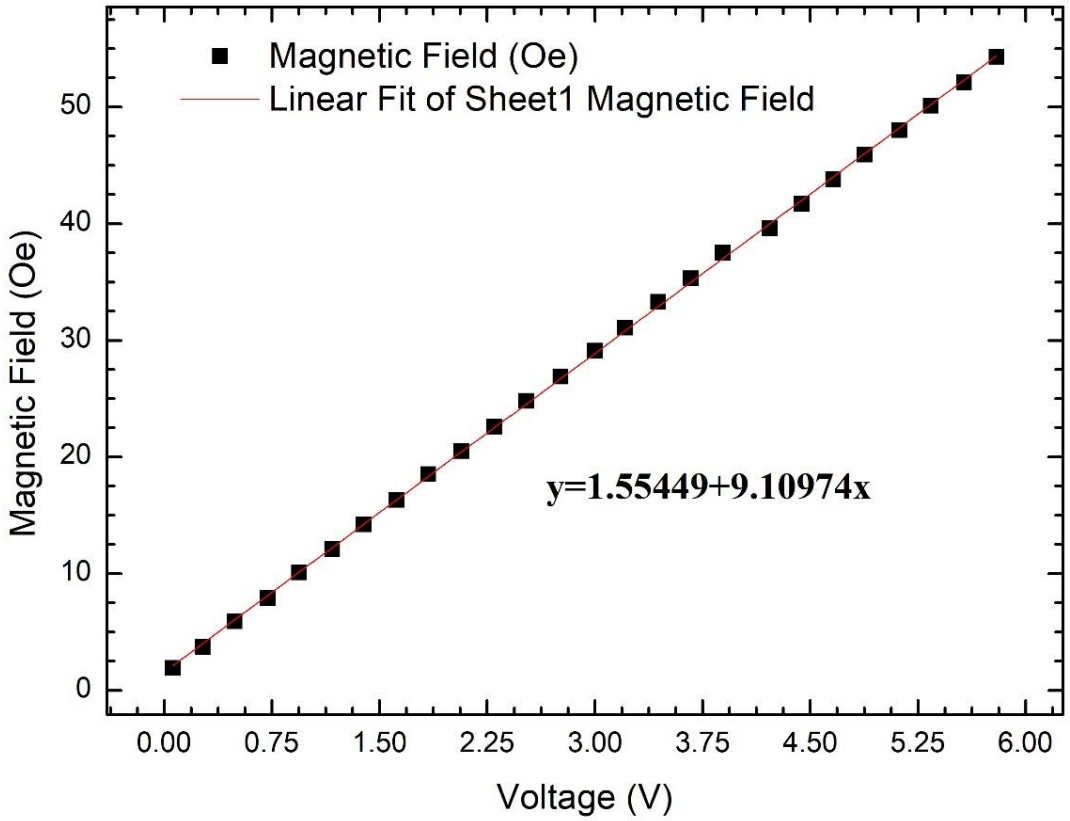
Dexing’ s coil-Oe / A



	Intercept		Slope		Statistics
	Value	Standard Error	Value	Standard Error	Adj. R-Square
Magnetic Field	-0.46338	0.03146	21.0612	0.02037	0.99998

$$\frac{B}{I} = 21.0612\ Oe/A$$

Dexing’ s Oe / V

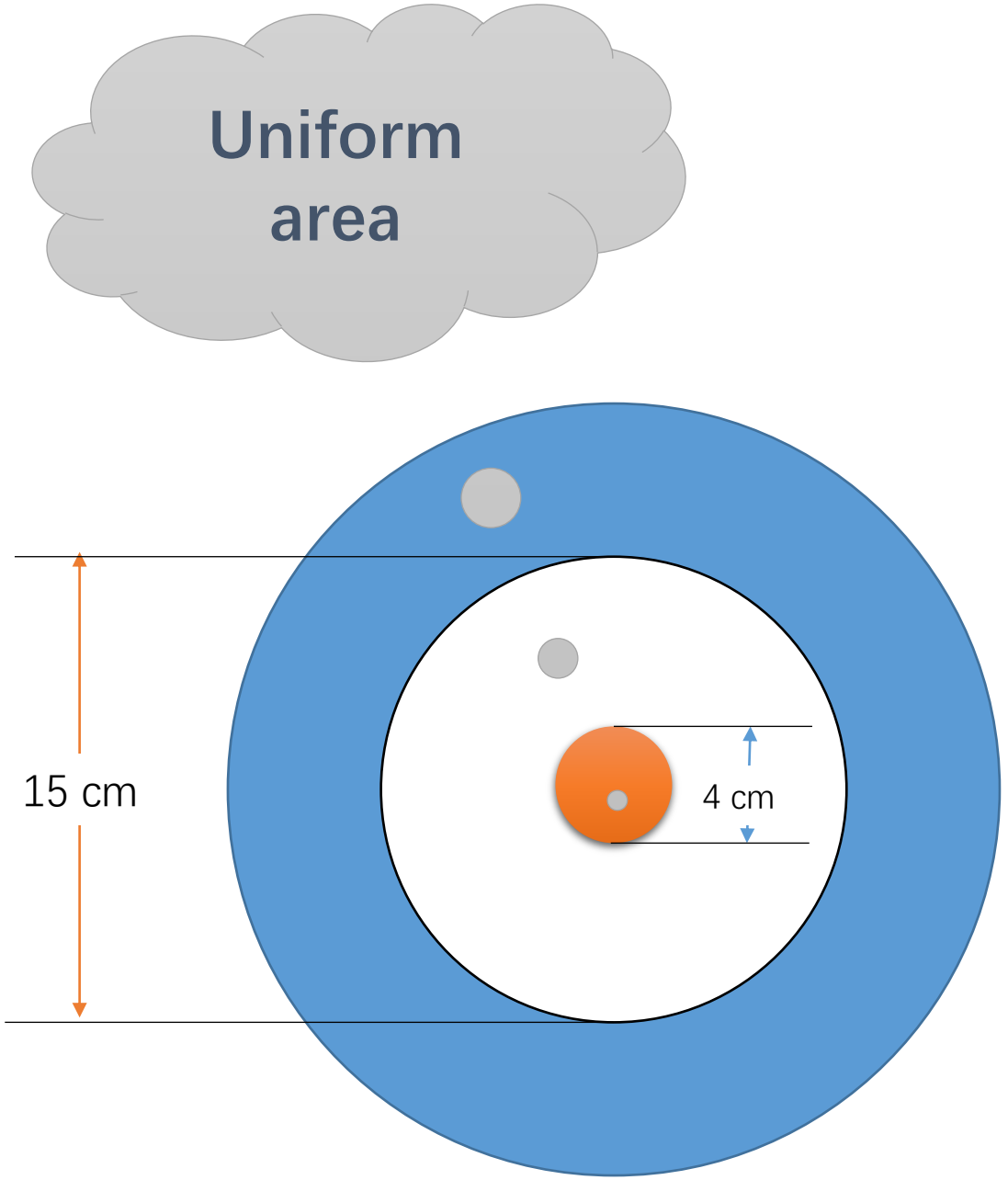


$$\frac{B}{V} = 9.10974\ Oe/V$$

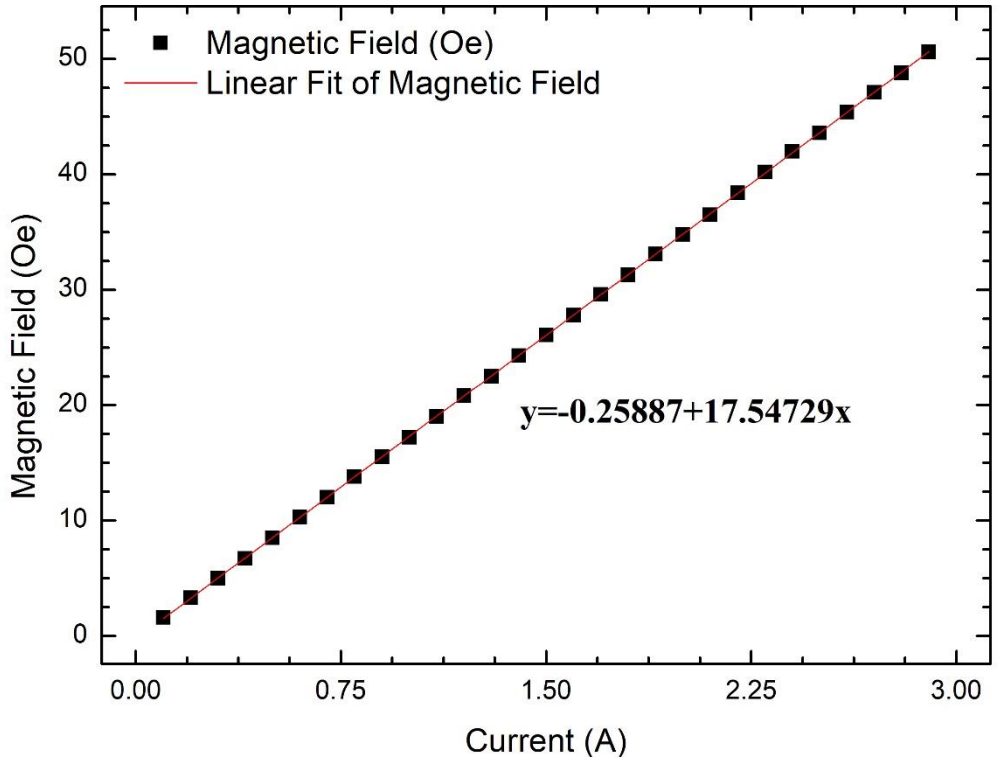
	Intercept		Slope		Statistics
	Value	Standard Error	Value	Standard Error	Adj. R-Square
Magnetic Field	1.55449	0.09385	9.10974	0.02778	0.99977

Dima’ s coil

R=3.6Ω



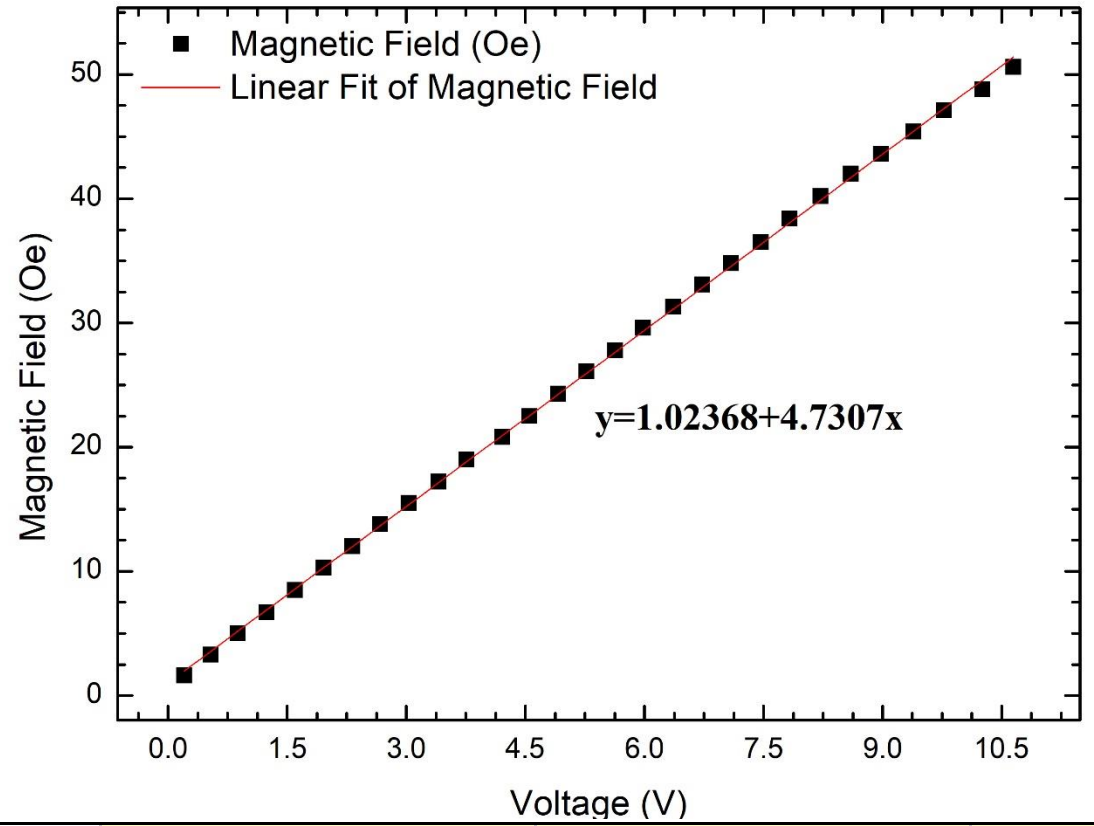
Dima’ s coil–Oe / A



	Intercept		Slope		Statistics
	Value	Standard Error	Value	Standard Error	Adj. R-Square
Magnetic Field	-0.25887	0.02175	17.54729	0.01266	0.99999

$$\frac{B}{I} = 17.54729\ Oe/A$$

Dima’ s coil–Oe / V



	Intercept		Slope		Statistics
	Value	Standard Error	Value	Standard Error	Adj. R-Square
Magnetic Field	1.02368	0.10548	4.73007	0.01719	0.99963

$$\frac{B}{V} = 4.73007\ Oe/V$$