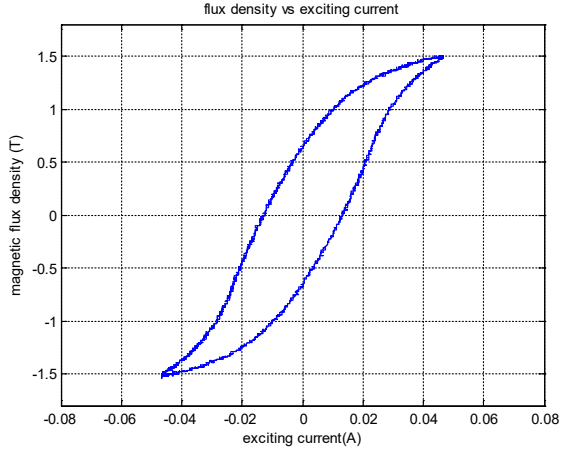
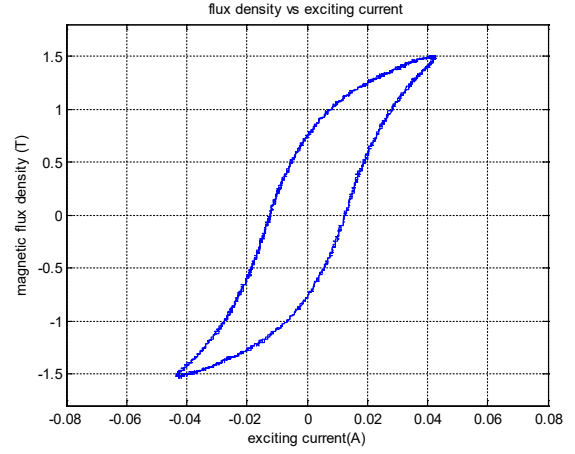


APPENDIX – EXPERIMENTAL RESULTS

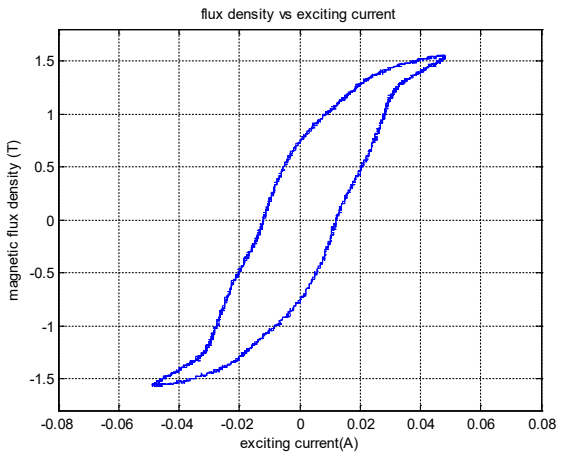
M5 Core (5th harmonic injection)



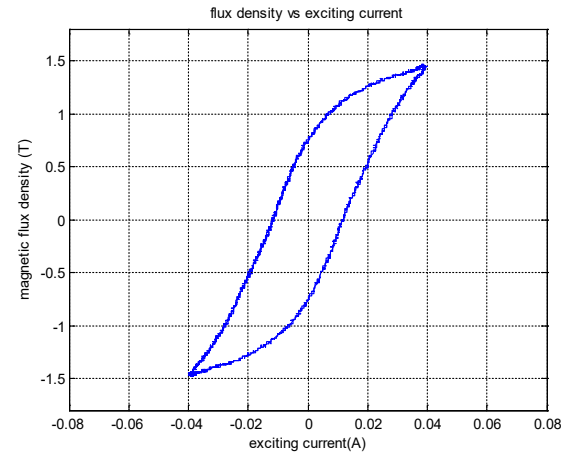
230 V 50 Hz ($B_m = 1.5$ T)



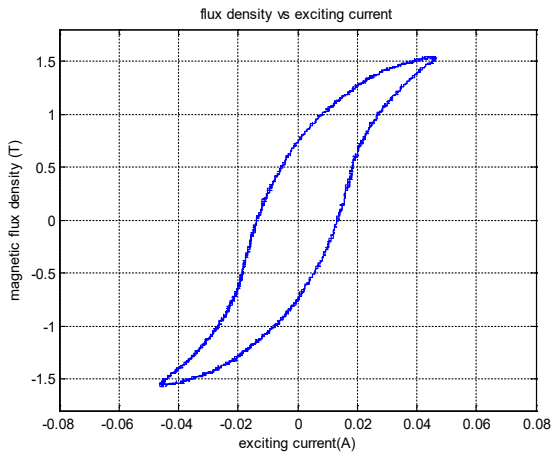
230 V 50 Hz & 46 V 250 Hz (135 degrees phase shift)
($B_m = 1.5$ T)



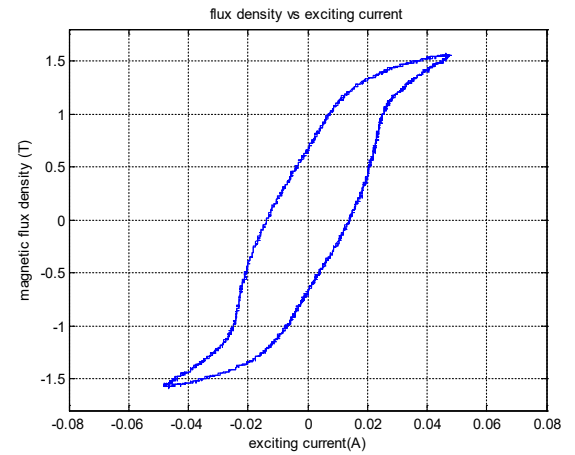
230 V 50 Hz & 46 V 250 Hz (0 degrees phase shift)
($B_m = 1.56$ T)



230 V 50 Hz & 46 V 250 Hz (180 degrees phase shift)
($B_m = 1.46$ T)

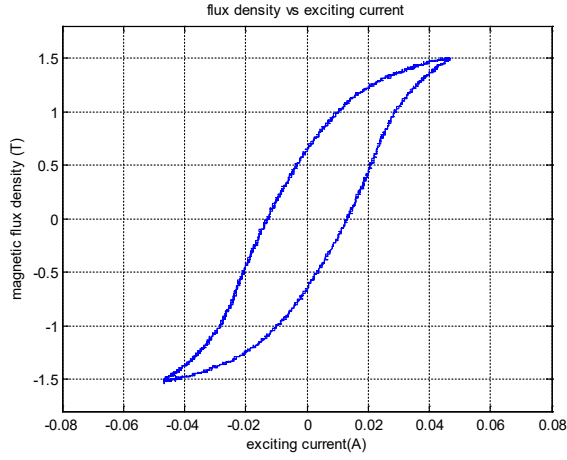


230 V 50 Hz & 46 V 250 Hz (90 degrees phase shift)
($B_m = 1.54$ T)

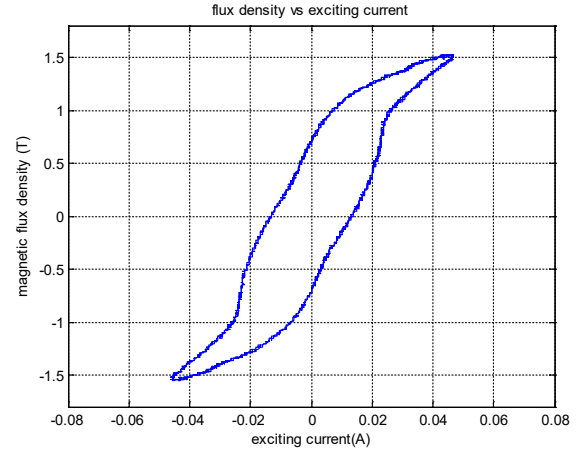


230 V 50 Hz & 46 V 250 Hz (330 degrees phase shift)
($B_m = 1.57$ T)

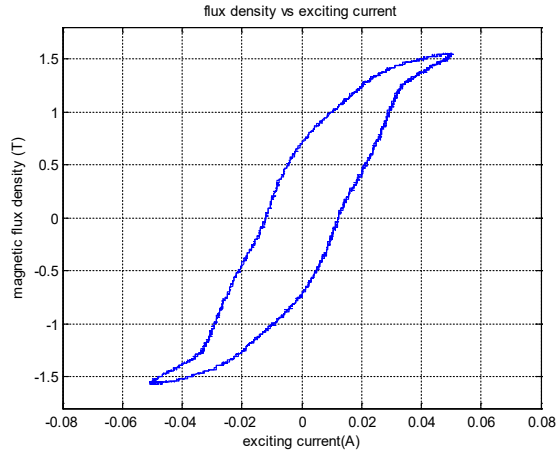
M5 Core (7th harmonic injection)



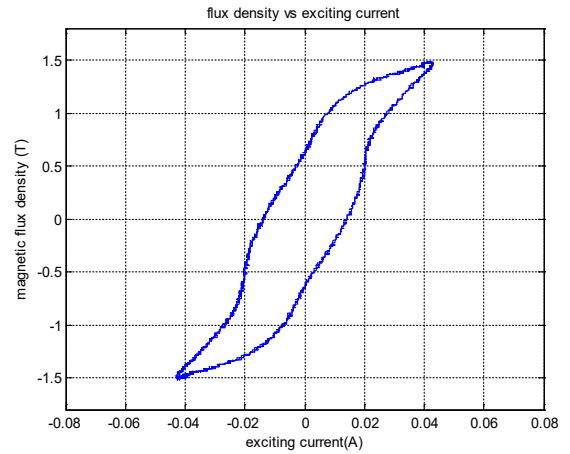
230 V 50 Hz ($B_m = 1.5$ T)



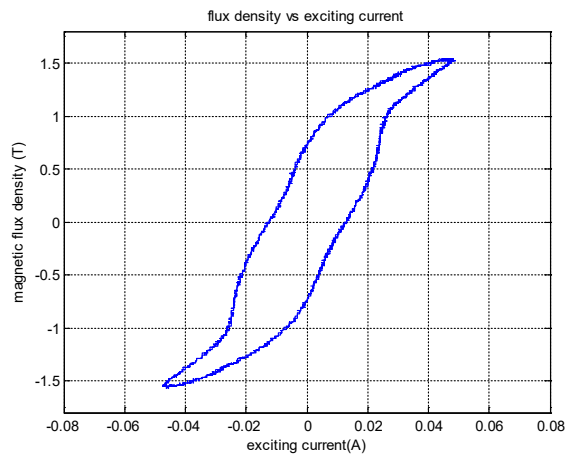
230 V 50 Hz & 46 V 350 Hz (120 degrees phase shift)
($B_m = 1.52$ T)



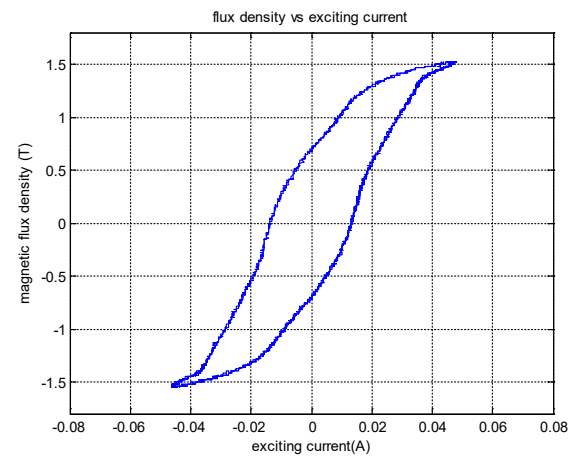
230 V 50 Hz & 46 V 350 Hz (0 degrees phase shift)
($B_m = 1.55$ T)



230 V 50 Hz & 46 V 350 Hz (180 degrees phase shift)
($B_m = 1.48$ T)

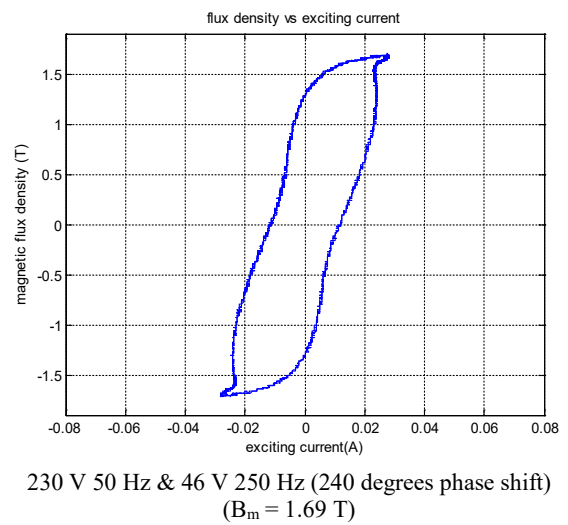
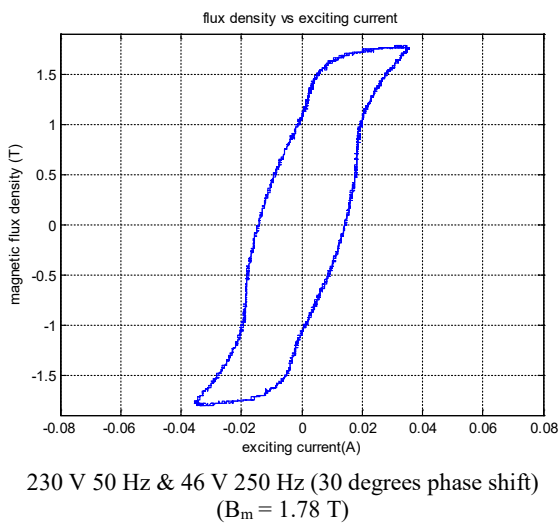
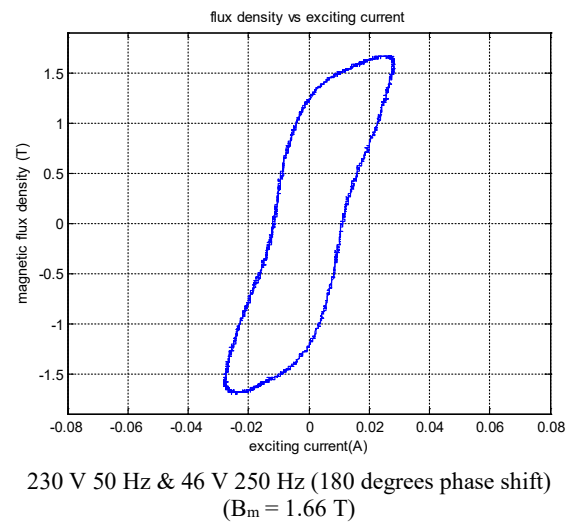
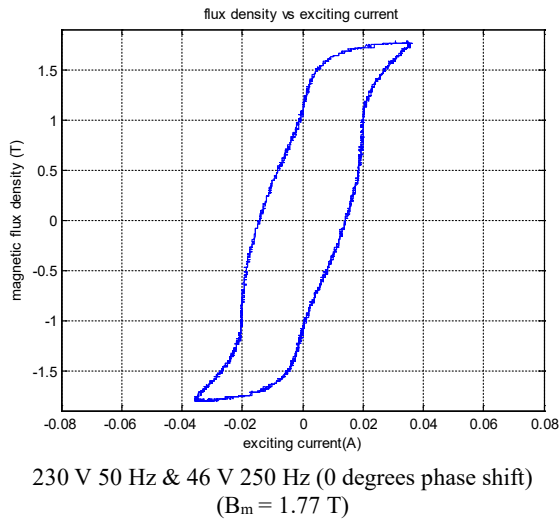
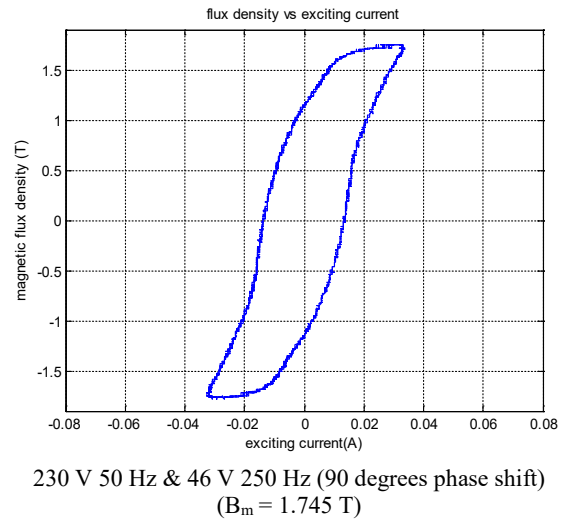
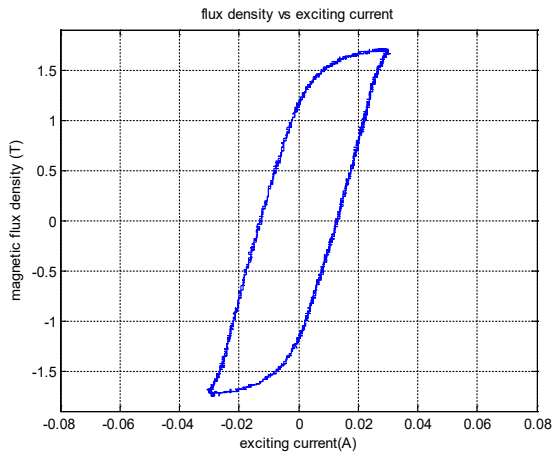


230 V 50 Hz & 46 V 350 Hz (90 degrees phase shift)
($B_m = 1.54$ T)

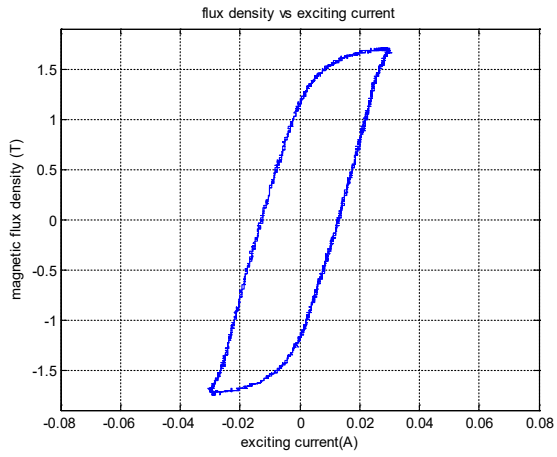


230 V 50 Hz & 46 V 350 Hz (285 degrees phase shift)
($B_m = 1.52$ T)

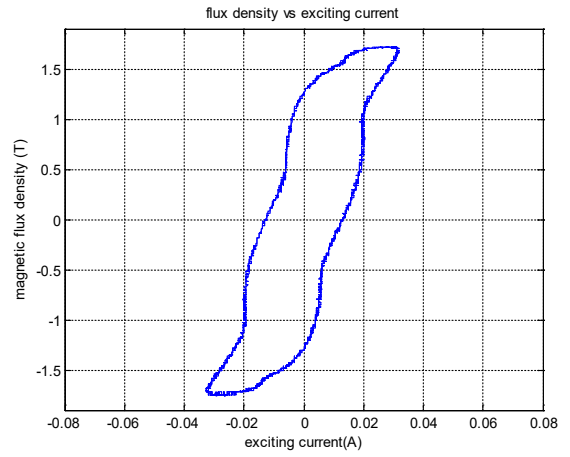
MOH CORE (5th harmonic injection)



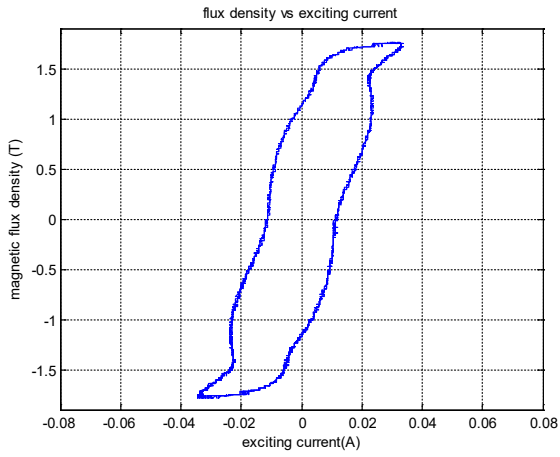
MOH CORE (7th harmonic injection)



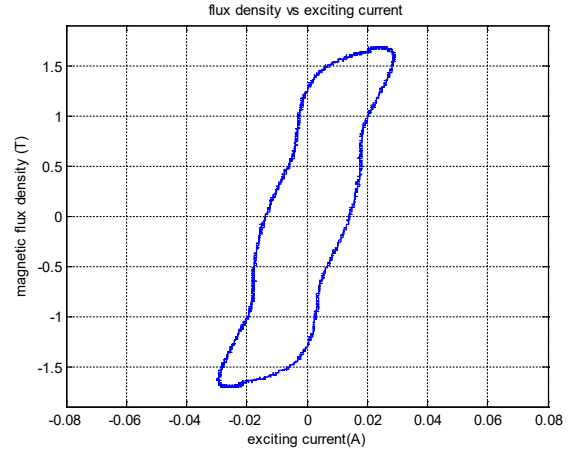
230 V 50 Hz ($B_m = 1.7$ T)



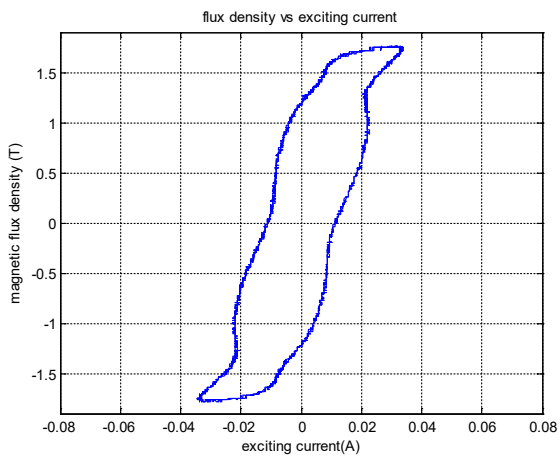
230 V 50 Hz & 46 V 350 Hz (120 degrees phase shift)
($B_m = 1.72$ T)



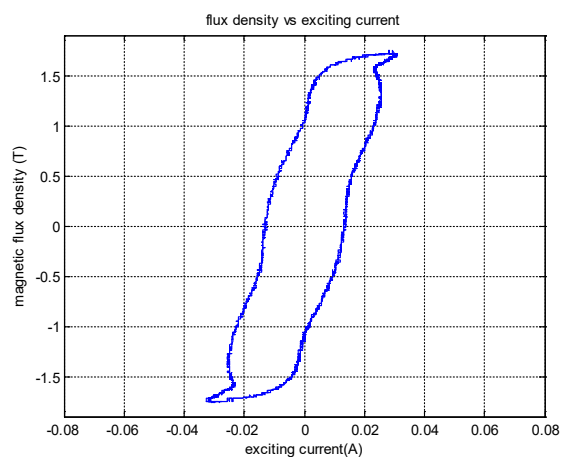
230 V 50 Hz & 46 V 350 Hz (0 degrees phase shift)
($B_m = 1.765$ T)



230 V 50 Hz & 46 V 350 Hz (180 degrees phase shift)
($B_m = 1.68$ T)

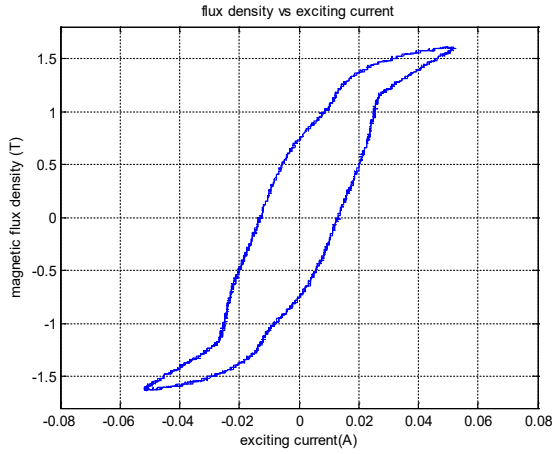


230 V 50 Hz & 46 V 350 Hz (45 degrees phase shift)
($B_m = 1.76$ T)

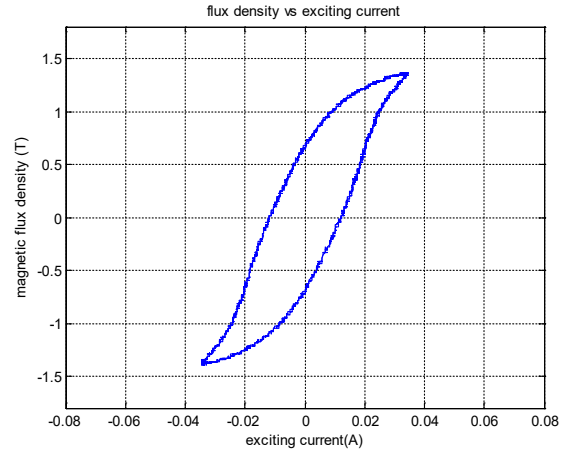


230 V 50 Hz & 46 V 350 Hz (300 degrees phase shift)
($B_m = 1.73$ T)

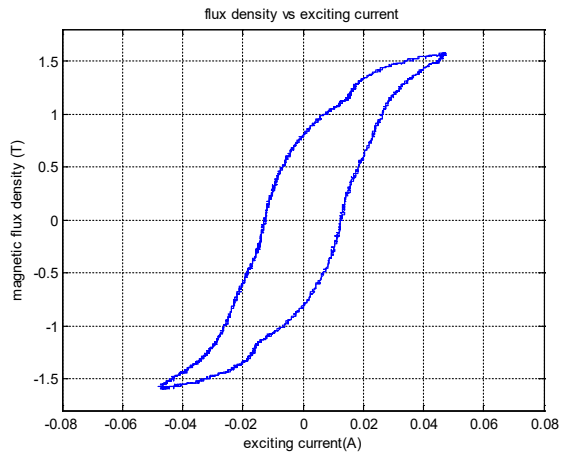
M5 CORE (multiple harmonic injection)



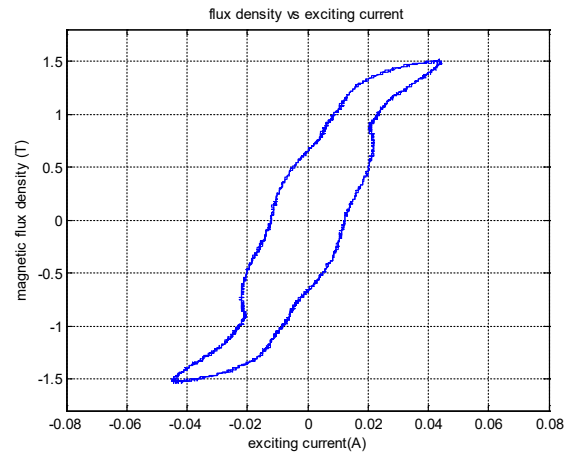
230 V 50 Hz & 46 V 250 Hz (0 degrees phase shift) & 46 V 350 Hz (0 degrees phase shift) ($B_m = 1.61$ T)



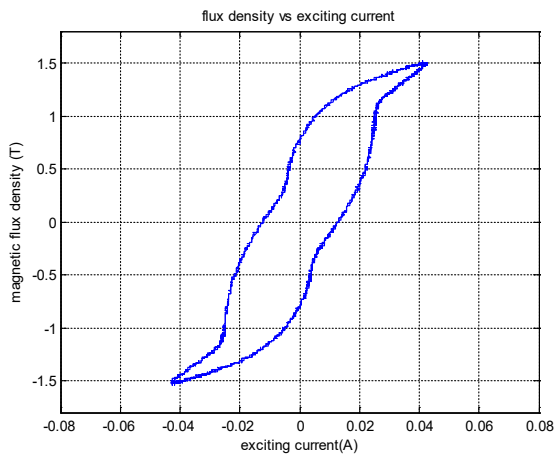
200 V 50 Hz ($B_m = 1.36$ T)



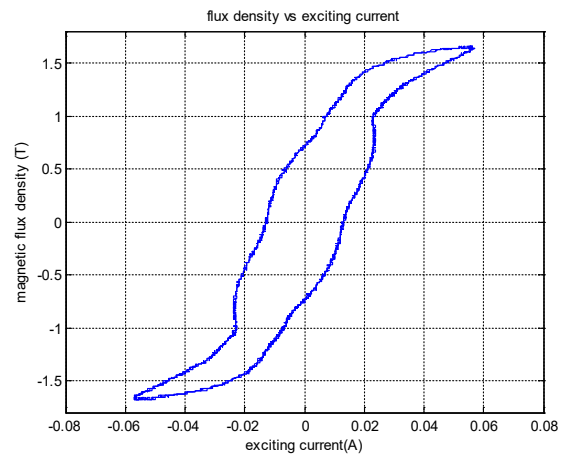
230 V 50 Hz & 46 V 250 Hz (90 degrees phase shift) & 46 V 350 Hz (0 degrees phase shift) ($B_m = 1.573$ T)



200 V 50 Hz & 60 V 250 Hz (0 degrees phase shift) & 40 V 350 Hz (0 degrees phase shift) & 30 V 550 Hz (0 degrees phase shift) ($B_m = 1.51$ T)



230 V 50 Hz & 46 V 250 Hz (270 degrees phase shift) & 46 V 350 Hz (90 degrees phase shift) ($B_m = 1.5$ T)



230 V 50 Hz & 69 V 250 Hz (0 degrees phase shift) & 46 V 350 Hz (0 degrees phase shift) & 35 V 550 Hz (0 degrees phase shift) ($B_m = 1.66$ T)

