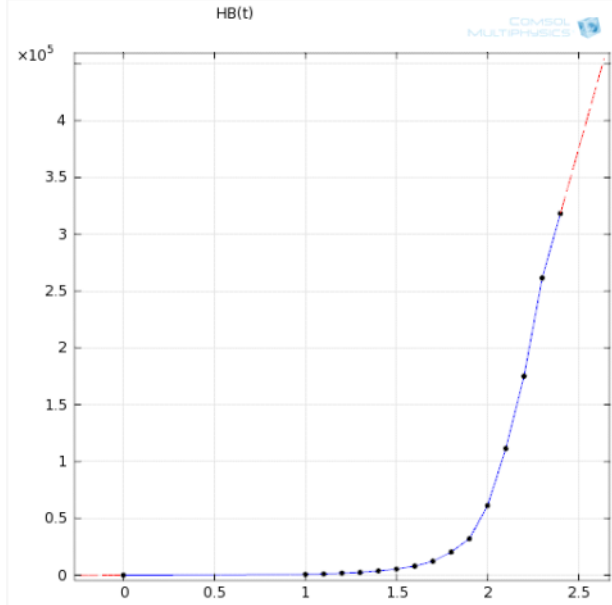


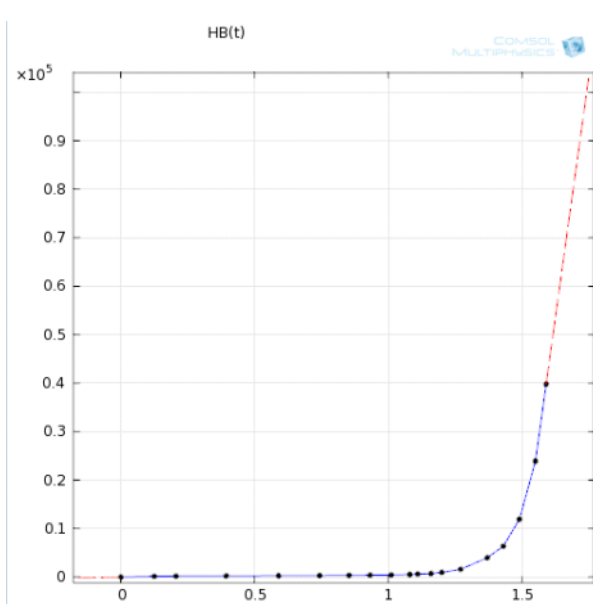
Iron vs. SS430

- The iron and SS430 simulation deviate more after the current density increases but are very close to each other.

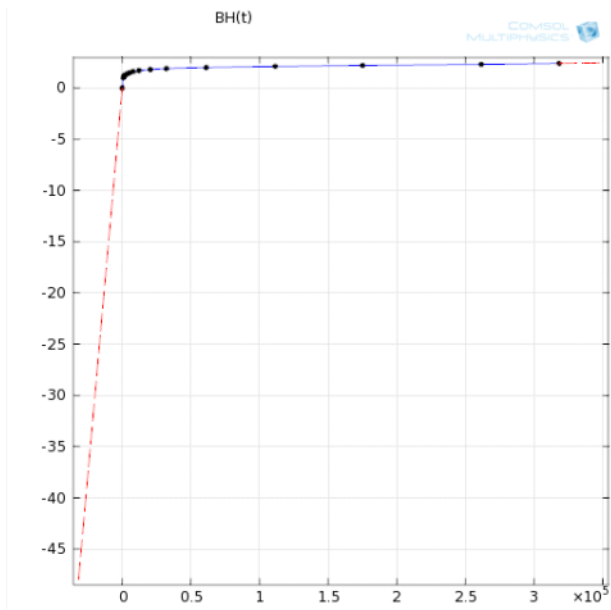
Iron HB curve:



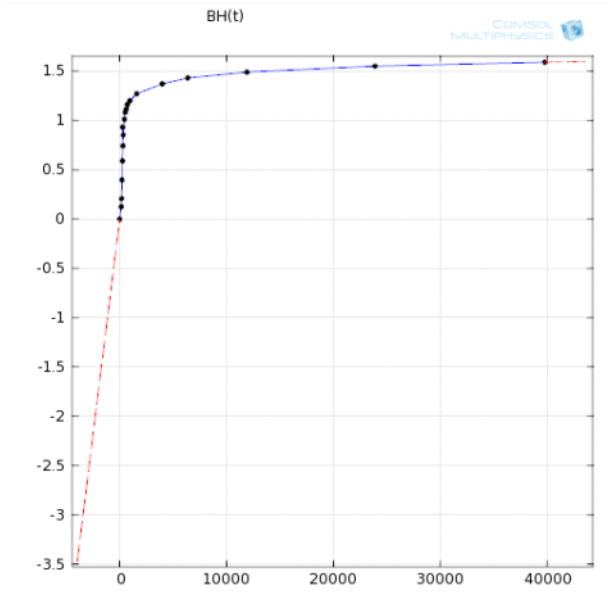
SS430 HB curve:



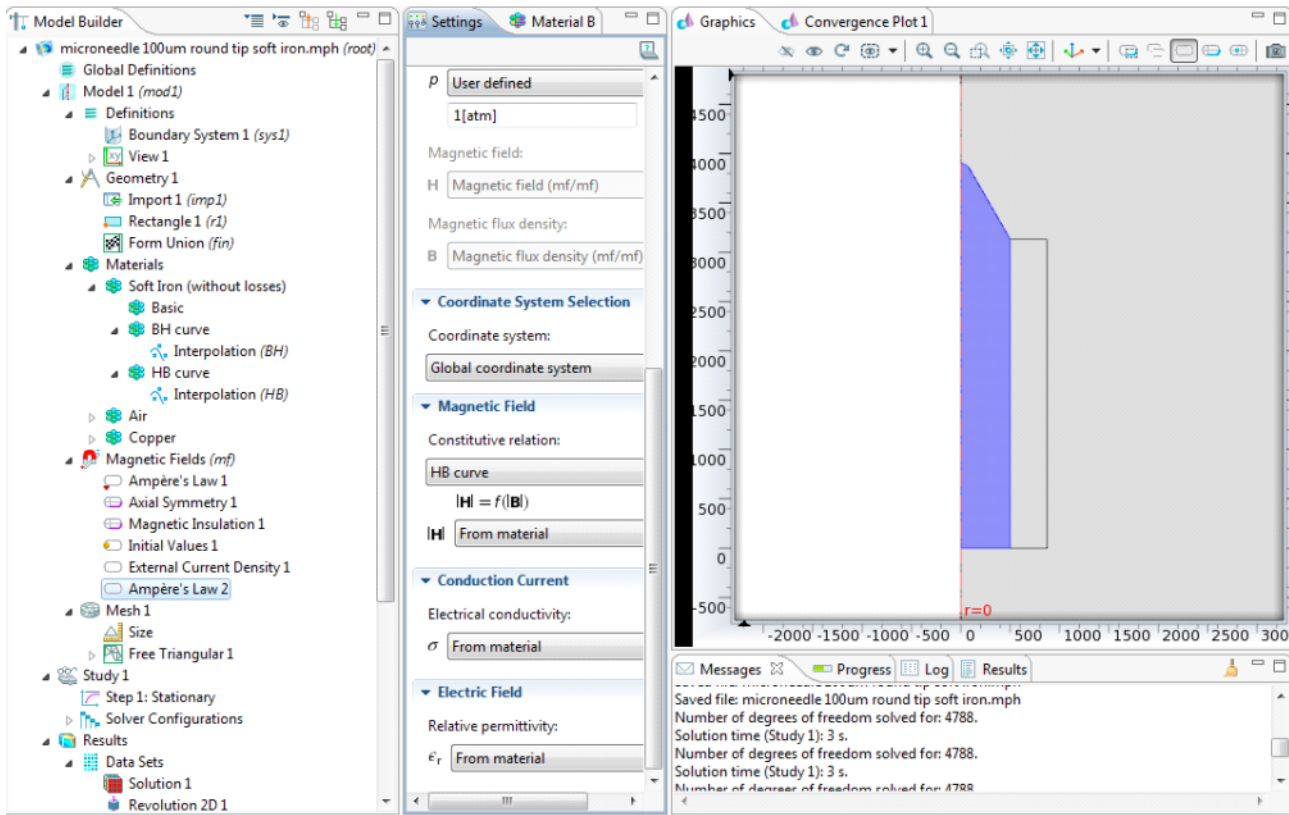
Iron BH curve



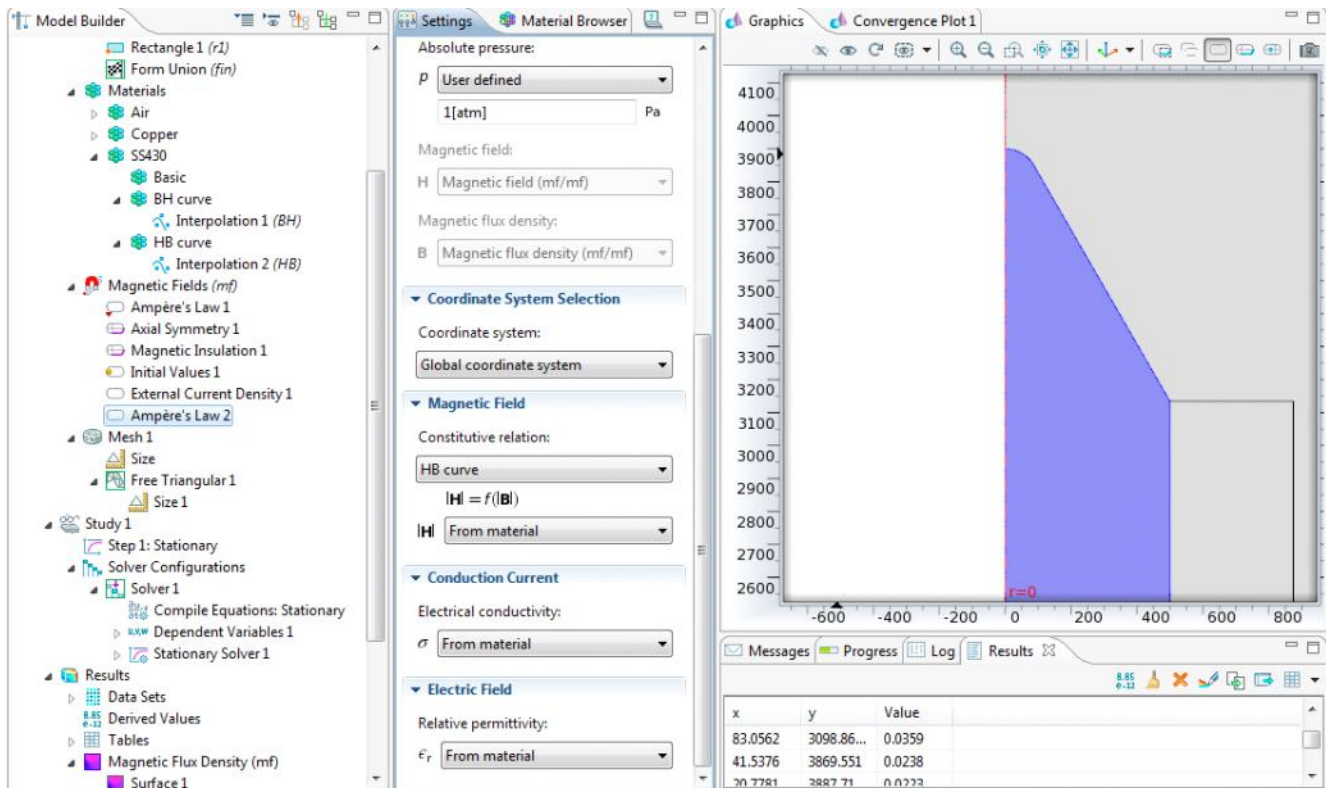
SS430 BH curve



Boundary condition for iron core

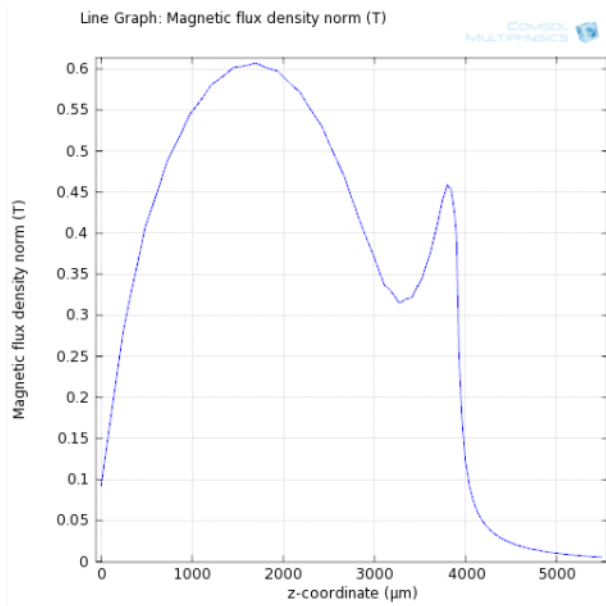


Boundary condition for SS430

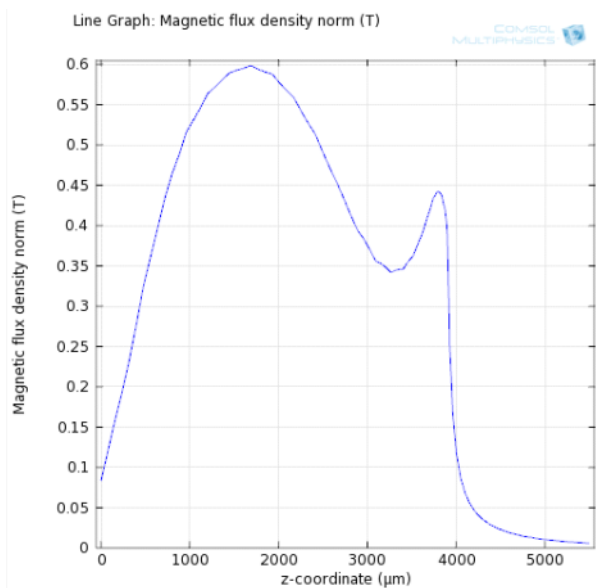


Plot the B value along the central axis from 0um (bottom) to 5500 um (about 1500um away from the tip)

Simulation result for iron



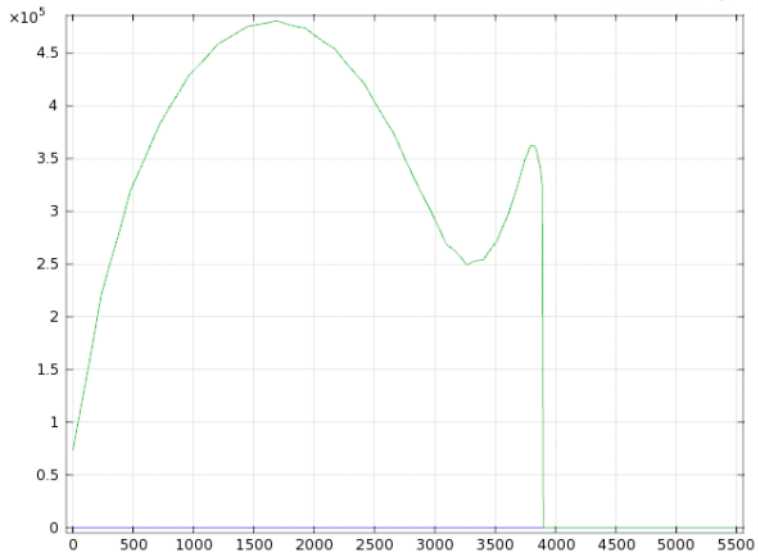
Simulation result for SS430



Plot magnetization along central axis (M)

Iron:

Line Graph: Magnetic flux density norm (T) Line Graph: Magnetization norm (A/m)



SS430

Line Graph: Magnetic flux density norm (T) Line Graph: Magnetization norm (A/m)

