



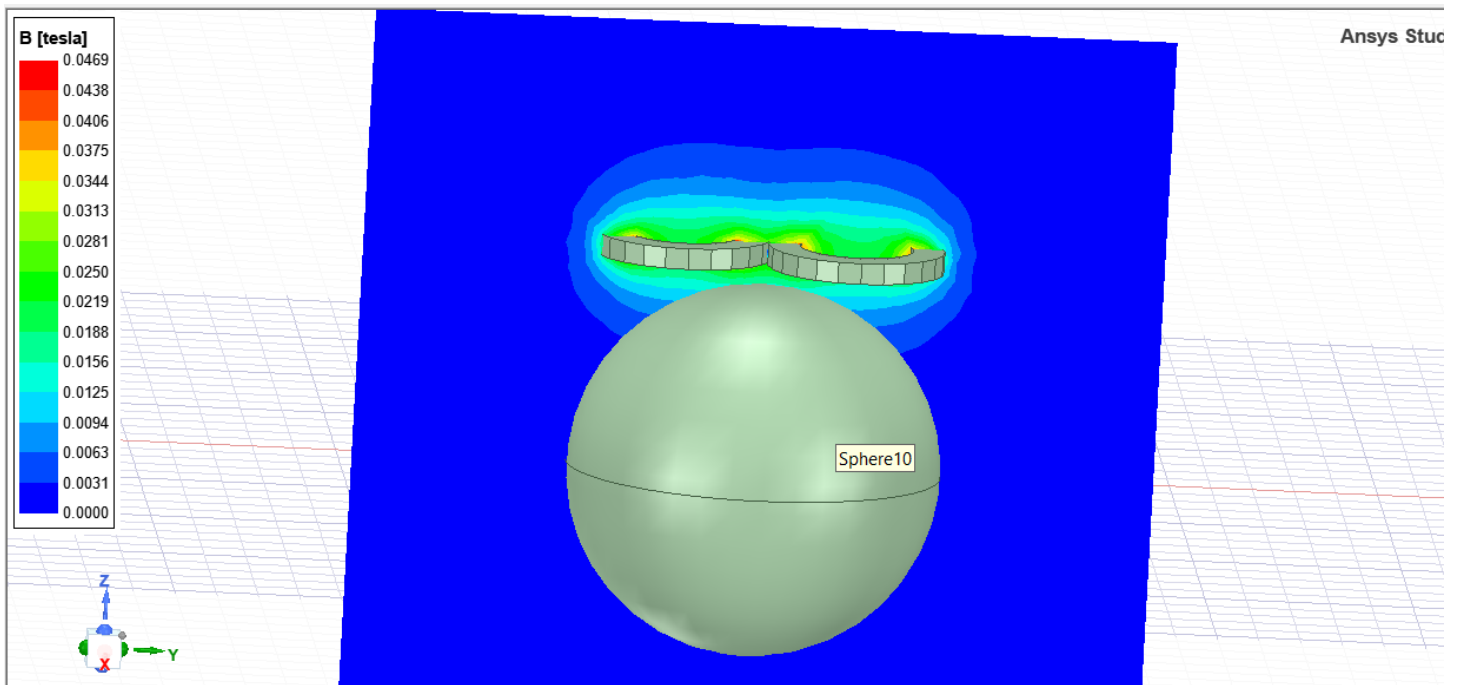
TMS

Haidy Sayed

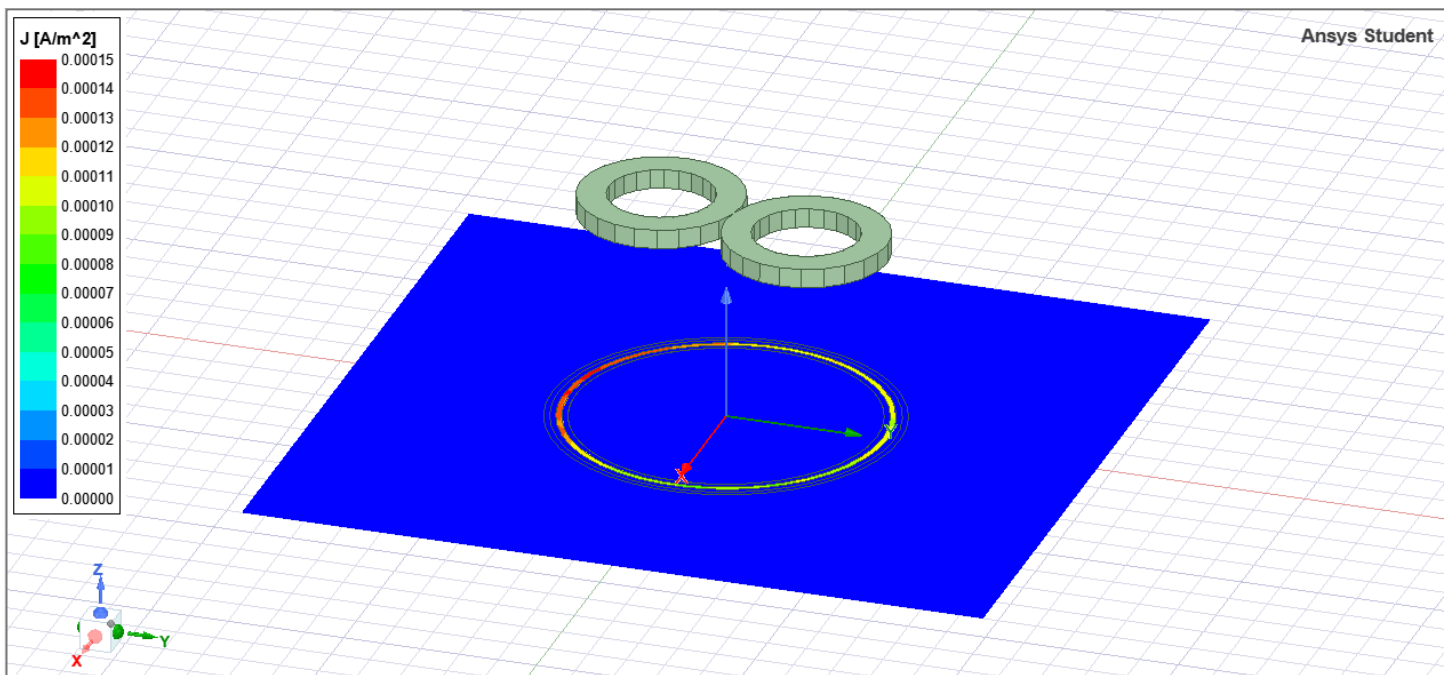
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Fields and waves

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Dr. Noha Hassan

Plot the magnetic flux density B due to the coils in a vertical cross section

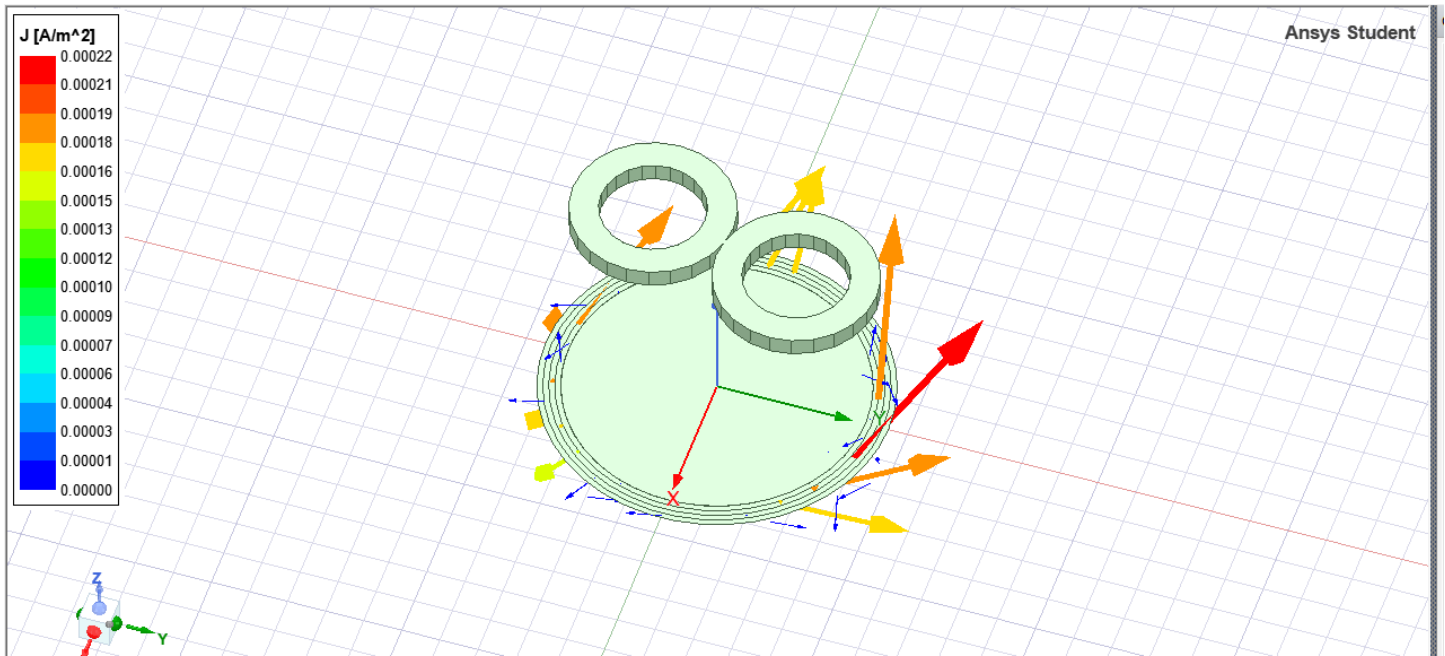


Plot the induced current J in a horizontal cross section of the head showing all layers of the head model.

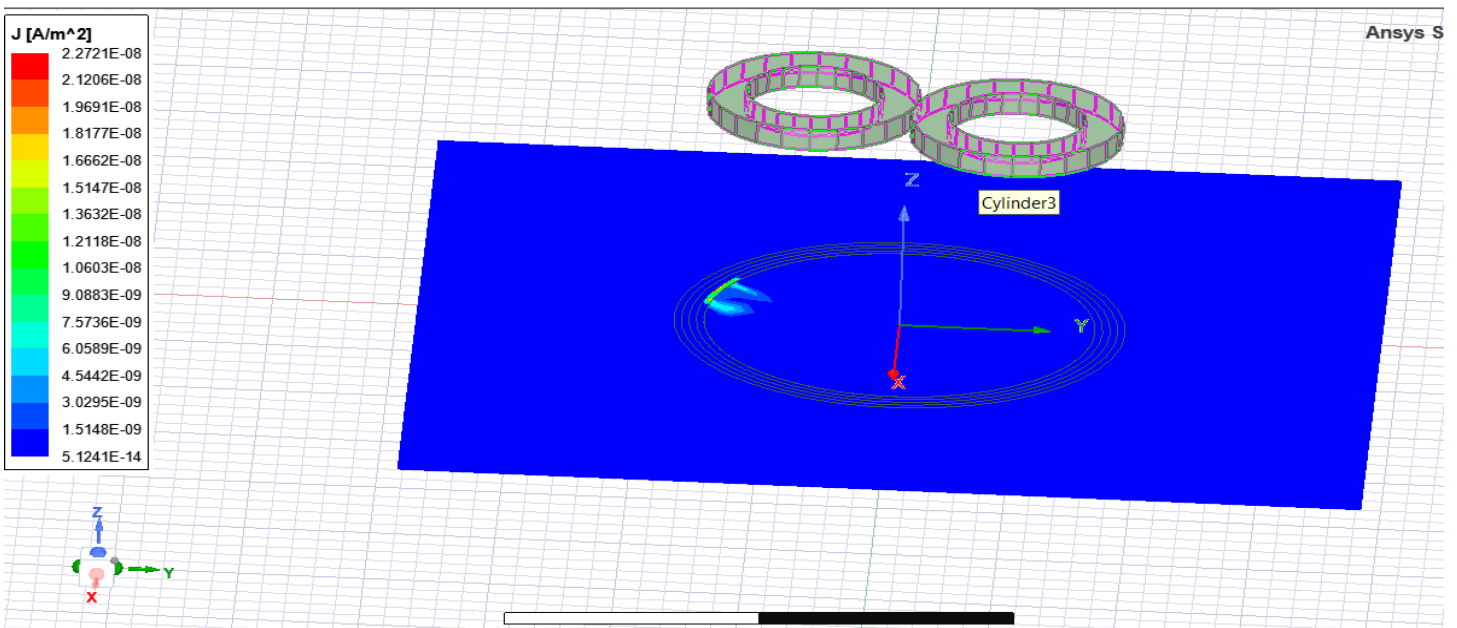


The induced current is maximized in the 3rd layer that of highest conductivity

Show an arrow plot of the computed J in the same horizontal cross section



What happens to the J plot, if you remove the CSF layer. Why?



After removing the CSF layer, the induced current values decreased so it's no longer as strong, and it's not all over the cross-section area of the shells.

What laws were used to simulate the above problem.

Maxwell equation