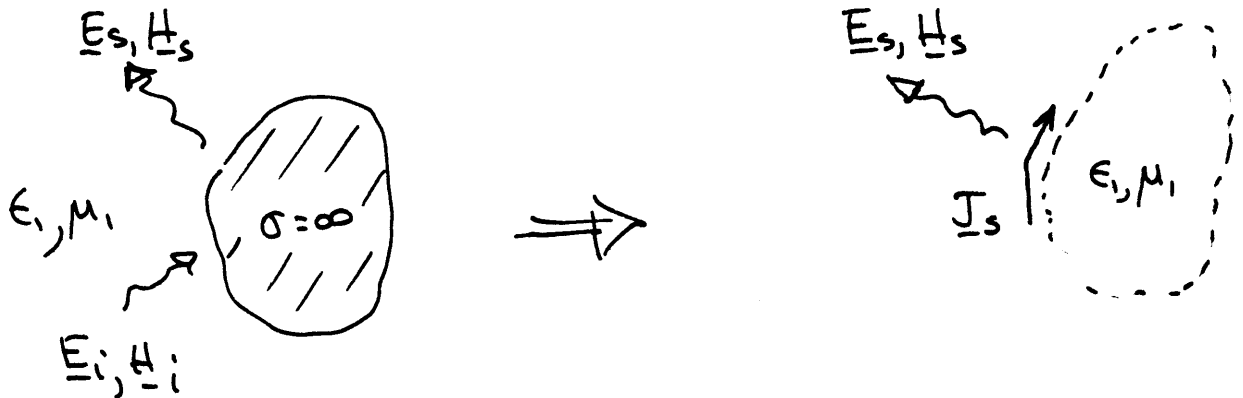


(6)

Consider Physical Equivalent:



$$\text{where } \underline{J}_s = \hat{n} \times \underline{H}^{\text{total}} = \hat{n} \times (\underline{H}_i + \underline{H}_s) \Big|_{\text{surf}}$$

Good news: this equiv. problem is a problem for which our \int tools are applicable!

Bad news: \underline{H}_s = the unknown qty. that we wish to solve for!

(you can see here the basis of an EFIE or MFIE ... \underline{H}_s will be expressed in terms of an integral over \underline{J}_s , which will be expressed in terms of \underline{H}_s !).