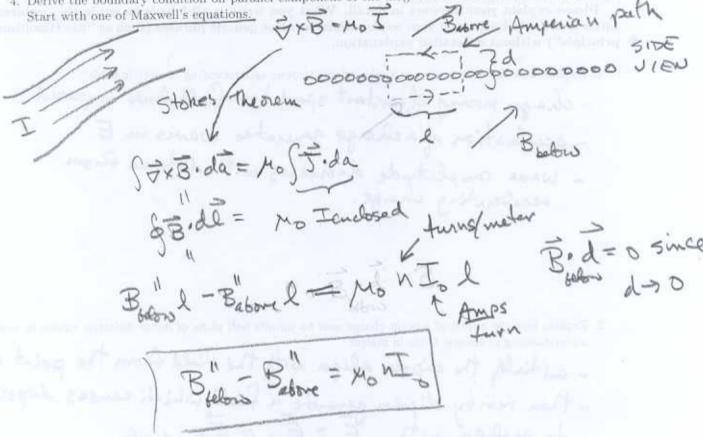
Derive the boundary condition on parallel component of the magnetic field across a sheet of current.



 A wire loop carrying current I<sub>0</sub> of radius R is centered in the x-y plane. Derive an integral expression for the vector potential at an arbitrary point that I can directly put into Mathematica to evaluate.