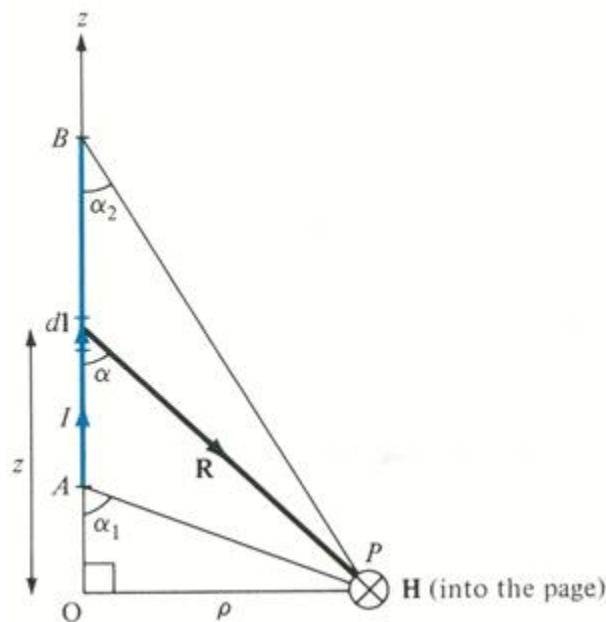




Princess Sumaya University for Technology
Communication Engineering Department
Electromagnetics I
Quiz 3

Determine the magnetic field $\mathbf{H}$ at point P due to a straight conductor of finite length AB and carrying current I as shown in the figure below.



Magnetic field at point A due to straight filament conductor.