

# Magnetic Induction: Application (1)



Consider three metal rods of length  $L = 2\text{m}$  moving translationally or rotationally across a uniform magnetic field  $B = 1\text{T}$  directed into the plane.

All velocity vectors have magnitude  $v = 2\text{m/s}$ .

- Find the induced EMF  $\mathcal{E}$  between the ends of each rod.

