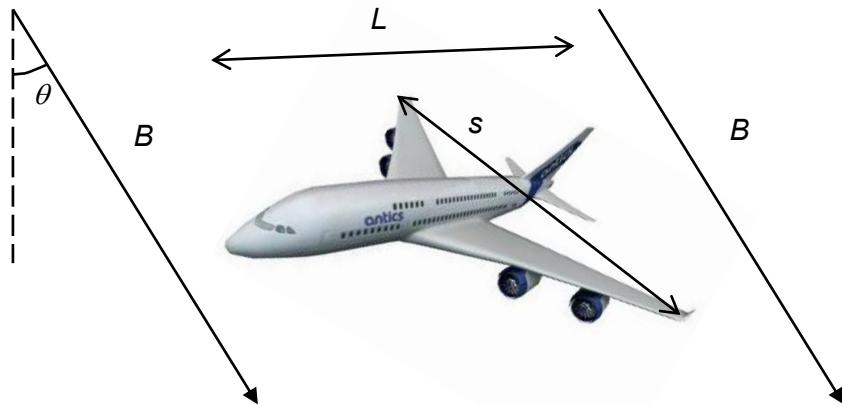


- 27 The diagram represents an aircraft of length L , wingspan s , flying horizontally at speed v in a region where the Earth's magnetic field, of uniform flux density B , is inclined at an angle of θ to the vertical.



Which expression gives the magnitude of the e.m.f. generated between the wingtips by electromagnetic induction?

- A** $BLv \sin\theta$ **B** $BLv \cos\theta$ **C** $Bsv \sin\theta$ **D** $Bsv \cos\theta$