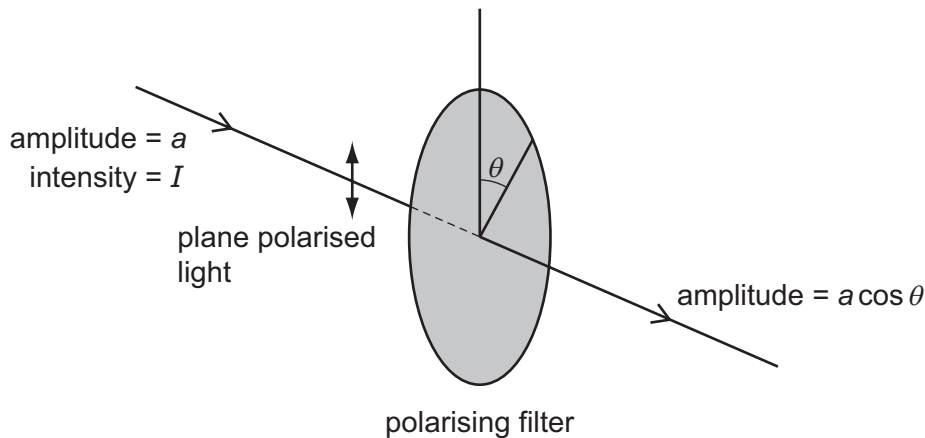


- 25** When plane-polarised light of amplitude a is passed through a polarising filter as shown, the amplitude of the light emerging is $a \cos \theta$.



The intensity of the initial beam is I .

What is the intensity of the emerging light when θ is 60.0° ?

- A** $0.250I$ **B** $0.500I$ **C** $0.750I$ **D** $0.866I$

- 26** A stationary wave is produced by two loudspeakers emitting sound of the same frequency