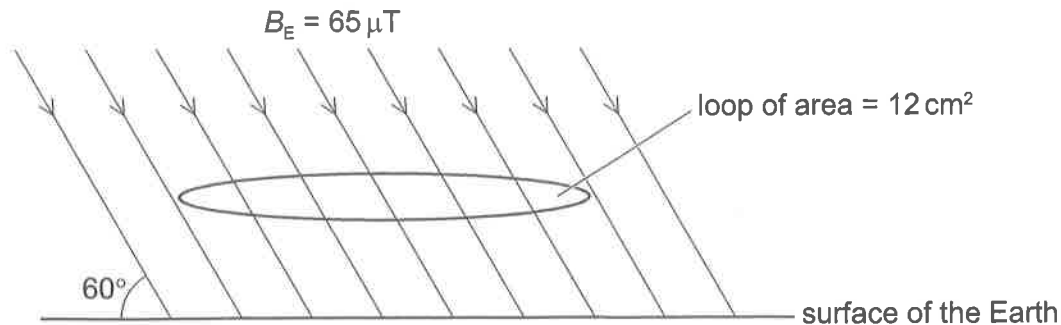


- 25 A flat, circular loop of wire, enclosing an area of 12 cm^2 , is held horizontally above the Earth's surface. The Earth's magnetic flux density B_E is $65\text{ }\mu\text{T}$ in a direction making an angle of 60° with the horizontal.



What is the magnetic flux through the loop of wire?

- A $3.9 \times 10^{-8}\text{ Wb}$
- B $6.8 \times 10^{-8}\text{ Wb}$
- C $3.9 \times 10^{-4}\text{ Wb}$
- D $6.8 \times 10^{-4}\text{ Wb}$

26 The variation with time t of an alternating current I is shown