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|  | P 25, Chap 30: As seen in Fig. [30-53](http://edugen.wiley.com/edugen/courses/crs1650/reference/xlinks/halliday8019c30xlinks.xform?id=halliday8019c30-fig-0053), a square loop of wire has sides of length 2.0 cm. A magnetic field is directed out of the page; its magnitude is given by http://edugen.wiley.com/edugen/courses/crs1650/art/math/halliday8019c30/math324.gif, where *B* is in tesla, *t* is in seconds, and *y* is in meters. At http://edugen.wiley.com/edugen/courses/crs1650/art/math/halliday8019c30/math325.gif, what are the (a) magnitude and (b) direction of the emf induced in the loop?   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | http://edugen.wiley.com/edugen/courses/crs1650/art/common/pixel.gif | |  | | --- | | http://edugen.wiley.com/edugen/courses/crs1650/art/common/pixel.gif | | |  |  |  | | --- | --- | --- | | |  | | --- | | http://edugen.wiley.com/edugen/courses/crs1650/art/common/pixel.gif | | http://edugen.wiley.com/edugen/courses/crs1650/art/images/halliday8019c30/image_t/tfg053.gif | | | | |
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