

Abstract Submitted
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Can Lenz's Law be wrong? LIANXI MA, Blinn College - Bryan,
SHENG WANG, Schlumberger — The answer to this question is “No”; Lenz's law
is correct in all situations. The essence of Lenz's law is “Nature abhors a change in
flux. The induced current will flow in such a direction that the flux it produces tends
to cancel the change”. I quote Griffiths here while acknowledging there are several
different expressions. While Lenz's law is always correct, we should be cautious to
use it when an inductor is involved; otherwise we may get an incorrect answer. I
use problem 7.26 from Griffiths' book to make the point.

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