

## Re: physical significance

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In <200412131529.iBDFT2605675@proapp.mathforum.org>, on 12/13/2004 at 04:19 PM, not.adomain@foo.com (joccis) said:

>*Often. Example, mechanics, energy is conserved iff the hamiltonian is unchanged as a result of time reversal, that is  $H(-t)=H(t)$ .*

No, energy is conserved iff the Hamiltonian is invariant under a temporal shift, e.g,  $H(p,q,t)=H(p,q,t+k)$ .

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