

Re: about phase and frequency

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From: Franz Heymann (*notfranz.heyman_at_btopenworld.com*)

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Androcles wrote:

- > *Between the B and E fields?*
- > *It's 90 degrees, or pi/2.*

Rubbish.

Please calculate the Poynting vector for a plane wave with B and E in time-quadrature and prove for yourself that the power per unit area just oscillates to and fro.

- > *$E = -dB/dt$ -- Faraday, taken by Maxwell into his own suite.*

There is not, and there never was, such a law.

You are thinking of

$\text{curl } E = -db/dt$

- > *IN FACT, Feuerbacher is an uneducated fuckwit that cannot solve*
- > *Faraday's differential equation, or he wouldn't be saying anything*
- > *so stupid.*

Feuerbacher has in fact shat on you from a dizzy height.

- > *IN FACT, Androcles is an uneducated fuckwit who does not even know*
- > *Faraday's equation, nor can read (since he does not recognize that*
- > *the pages he himself cites contradict him).*

You can not have *both*

$E = -dB/dt$

and

$\text{curl } E = -db/dt$

true.

The latter is the equation which leads to the prediction of EM waves.

The former does not.

May I suggest that you come back pretty fast with a correction and an apology to Feuerbach?

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Franz

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"The great tragedy of science -- the slaying of a beautiful hypothesis
by an ugly fact."

T.H. Huxley