Joe,
I found the plots from earlier today.
The plots are based on a simulation, 50 Hz and 1 Volt AC during 1 ms to 50 ms . The three plots are with $10 \mathrm{mH}, 50 \mathrm{mH}$ and 79 mH .

If you can't see the phase shift you have to be blind.
There are no ambiguity whatsoever.
This is a visualisation of the phase shift in it's simplest form.

K.I.S:S

The 10 mH plot looks like this:

NOT LICENSED FOR COMMERCIAL USE
Transient - New, UnTitled + UnTitled, 28 January 2006


## Now the 50 mH plot:

NOT LICENSED FOR COMMERCIAL USE


And the final 79 mH plot.....

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