Amplitude and Phase: Second Order III Applet

Open the applet `Amplitude and Phase: Second Order III`. The applet works exactly like the applets `Amplitude and Phase: Second Order I and II` that we've just looked at.

The applet shows the spring-mass-dashpot system being driven through both the spring and the dashpot. This is a standard model of an automobile suspension. Again (as in the spring-side driven system) the gain can be well larger than 1, and the gain and phase lag depend heavily on the system parameters.

As with all the applets, things with the same color are related. As you play with the applet think about these relations.

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18.03SC Differential Equations
Fall 2011

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