

## POLES AND VIBRATIONS

A wide range of waveforms occur as the sum of two damped oscillations. The long-term behavior is reflected by the pole diagram of the Laplace transform.

Mathlet

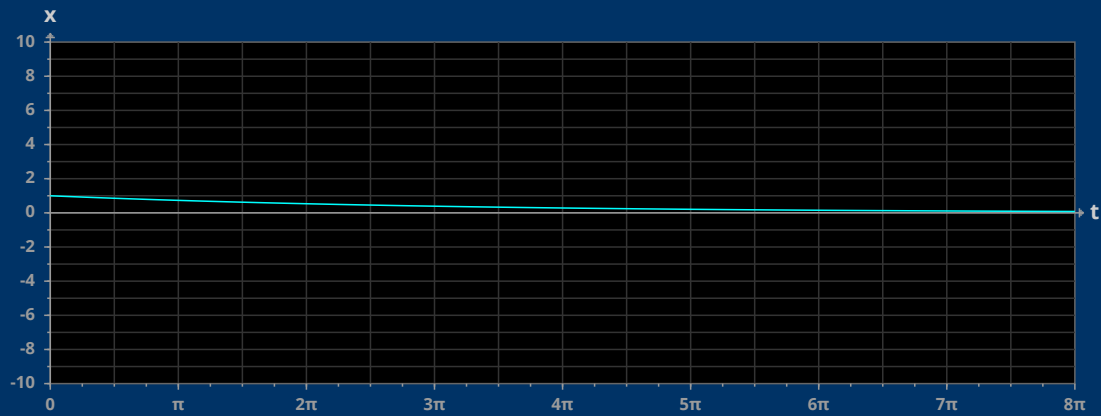
Description

Activity

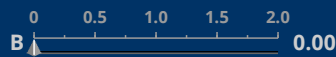
Comments

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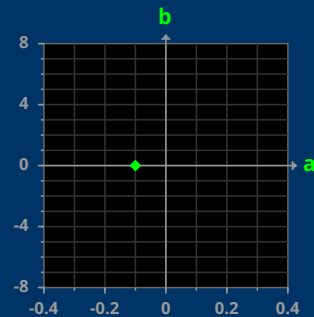
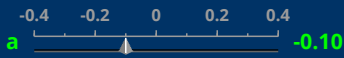
mode + help



$$f(t) = Ae^{at}\cos(bt)$$

☐ Envelope


$$z = -0.10 \pm 0.00i$$



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