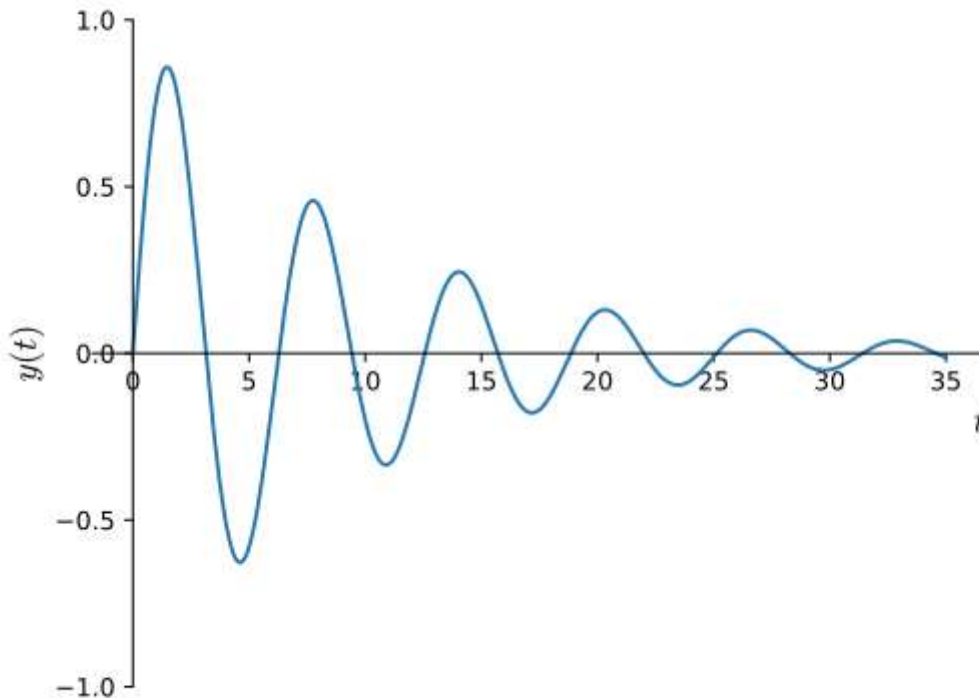


# File:Damped oscillation function plot.svg

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**Captions**

**Edit**

English Exponentially decaying sine function.

🇸 1 more language

## Summary

<b>Description</b>	<b>English:</b> Exponentially decaying cosine function $y(t) = e^{-0.1t} \sin(t)$ <b>Español:</b> Función coseno que decae exponencialmente $y(t) = e^{-0.1t} \sin(t)$
<b>Date</b>	26 February 2022
<b>Source</b>	Own work
<b>Author</b>	<a href="#">Nicoguaro</a>
<b>SVG development</b>	 The source code of this <a href="#">SVG</a> is <b>invalid</b> ( <a href="https://validator.w3.org/check?uri=http://...">https://validator.w3.org/check?uri=http://...</a> )  This W3C- <i>invalid</i> plot was created with <a href="#">Matplotlib</a> .  The file size of this <a href="#">SVG</a> plot
<b>Source code</b>	<h3>Python code</h3> <pre>import numpy as np import matplotlib.pyplot as plt  plt.rcParams["mathtext.fontset"] = "cm"  t = np.linspace(0, 35, 500) y = np.exp(-0.1*t)*np.sin(t) plt.plot(t, y)  plt.xlabel("\$t\$", fontsize=14, loc="right") plt.ylabel("\$y(t)\$", fontsize=14) plt.yticks([-1, -0.5, 0, 0.5, 1])  ax = plt.gca() ax.spines['right'].set_color('none') ax.spines['top'].set_color('none') ax.xaxis.set_ticks_position('bottom') ax.spines['bottom'].set_position(('data',0)) ax.yaxis.set_ticks_position('left') ax.spines['left'].set_position(('data',0)) plt.savefig("Damped oscillation function plot.svg") plt.show()</pre>

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	Date/Time	Thumbnail	Dimensions	User	Comment
current	<u>16:29, 26 February 2022</u>		576 × 432 (20 KB)	<u>Nicoguardo</u> ( <a href="#">talk</a>   <a href="#">contribs</a> )	Uploaded own work with UploadWizard

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