

# Consortium for Ordinary Differential Equations Experiments

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The goal of the ODE Consortium, which is composed of two or three faculty associated with each of the six sponsoring institutions, is to distribute information on the design and use of interactive computer experiments in courses involving ODEs. The Consortium is funded by the NSF through the Division of Undergraduate Education and sponsors summer faculty workshops towards this goal. Many of the items in **C•ODE•E** are based upon work supported by the National Science Foundation under Grant No. DUE-9154300. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.

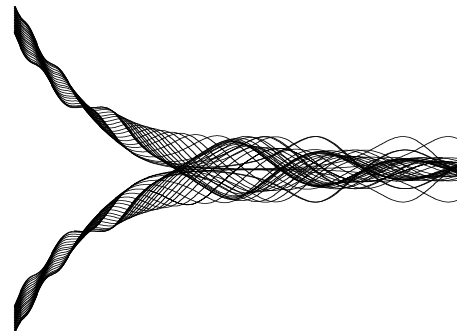
### C•ODE•E

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This graph shows the time variations in the angular velocity  $\theta'$  of a simple damped pendulum as it goes over the top several times before coming to rest. Varying initial velocities and positions are used to create the braid. The ODE is given by  $\theta'' + \theta' + 10\sin\theta = 0$ .

Scott thinks the pattern would look right tough in red on black over the hood of a buff '67 Cougar!

on the cover

The editors of **C•ODE•E** invite you to send in your favorite graphs of dynamical systems for use in future issues. Your art could be on the next cover of **C•ODE•E** !