

Consortium for Ordinary Differential Equations Experiments

C•ODE•E is published quarterly with support from the National Science Foundation. The editorial staff is solely responsible for the content.

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The sponsors of the ODE Consortium and the institutional representatives are:

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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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Cover Art

Anne Noonburg provided the striking graph on this issue's cover. The corresponding nonlinear differential equation, $x'' = x^2 - t$, is the first transcendent of Painlevé. The picture shows the graph of $x'(t)$ against t for solutions $x(t)$ with initial data

$$x(0) = 0, \quad -5 \leq x'(0) \leq 1.$$

Noonburg describes recent results concerning the transcendent in the next issue of **C•ODE•E** (see Announcements, pg. 2).

The editors of **C•ODE•E** invite you to send in your favorite graph of a dynamical system for use in future issues. Mathematical art may be exhibited at appropriate conferences whether or not it is used on the cover of any future issues of **C•ODE•E**.