



REALTY PHYSICS AS LANGUAGE

BRUCE GREGORY

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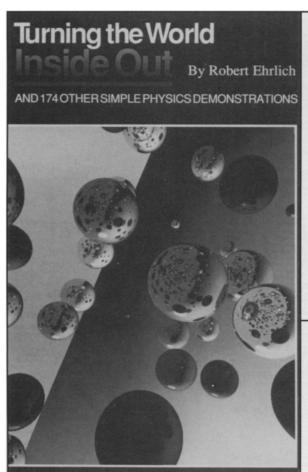
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Here is a collection of physics demonstrations costing very little to produce yet illustrating key concepts in amazingly simple and playful ways. Intended for instructors, students and curious lay readers, these demonstrations make use of easily accessible, everyday items: food coloring and glycerine swirled and then "unmixed" in a container demonstrate aspects of the entropy law; the reflection off a glass Christmas tree ball is the focus of an explanation on "turning the world inside out." Many of the demonstrations are either new or include innovative twists on old ideas.

Each demonstration outlines the objective, the equipment needed and the procedure, including, in many instances, ways for a teacher to perform the demonstration on an overhead projector. Throughout the book concrete examples are accompanied by enough theoretical background to enhance a reader's basic understanding of physical principles. Lab instructors will find that demonstrations containing a quantitative component work well as miniexperiments and as ways to illustrate the results of calculations. These diverse and flexible demonstrations will serve a wide range of educational levels, from middle school physical science to university physics.

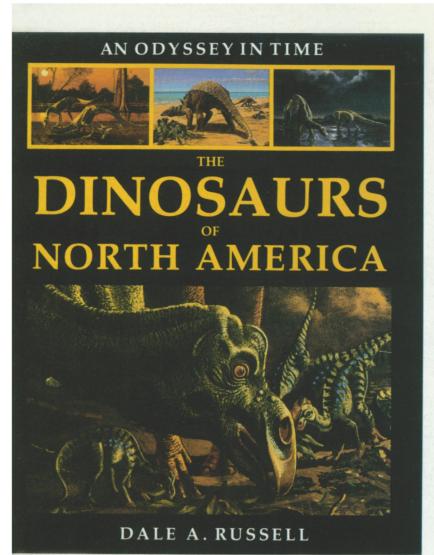
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Princeton Univ. Press, 1990, 216 pages, 6" x 91/4", paperback, \$14.95

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