

*Welcome!*

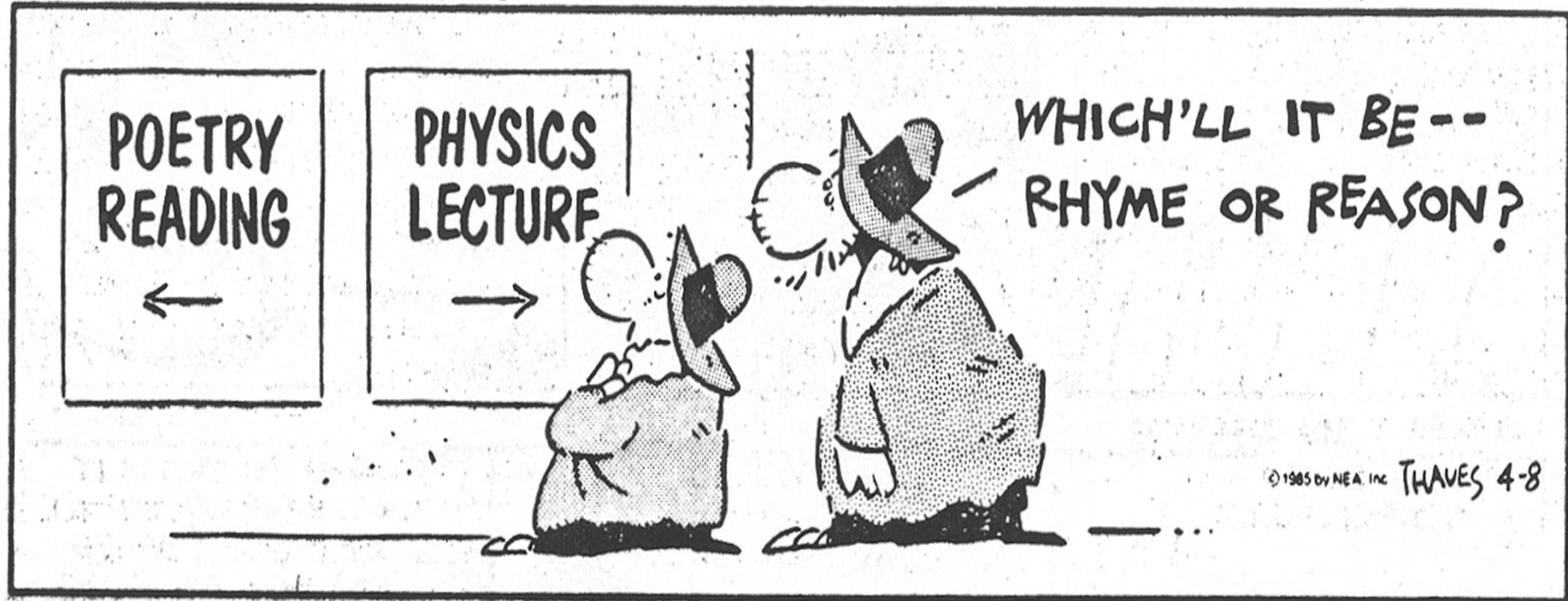


*Please be*

*Seated –*

*Front & Center*

FRANK & ERNEST BOB THAVES



# The Physics IQ Test

*University of Virginia*

*Physics Colloquium*

*February 22, 2013*

**Prof. Richard E. Berg**

**Department of Physics**

**University of Maryland**



**BLONDIE** YOUNG & GERSHER



FRANK & ERNEST BOB THAVES

DRIVING  
TEST  
AREA



BEFORE WE START,  
WHICH COUNTS MORE—  
SPEED OR ACCURACY?

THAVES 11-15

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FRANK & ERNEST BOB THAVES



© 1985 by NEA Inc. THAVES 10-15







Studio physics classroom at MIT



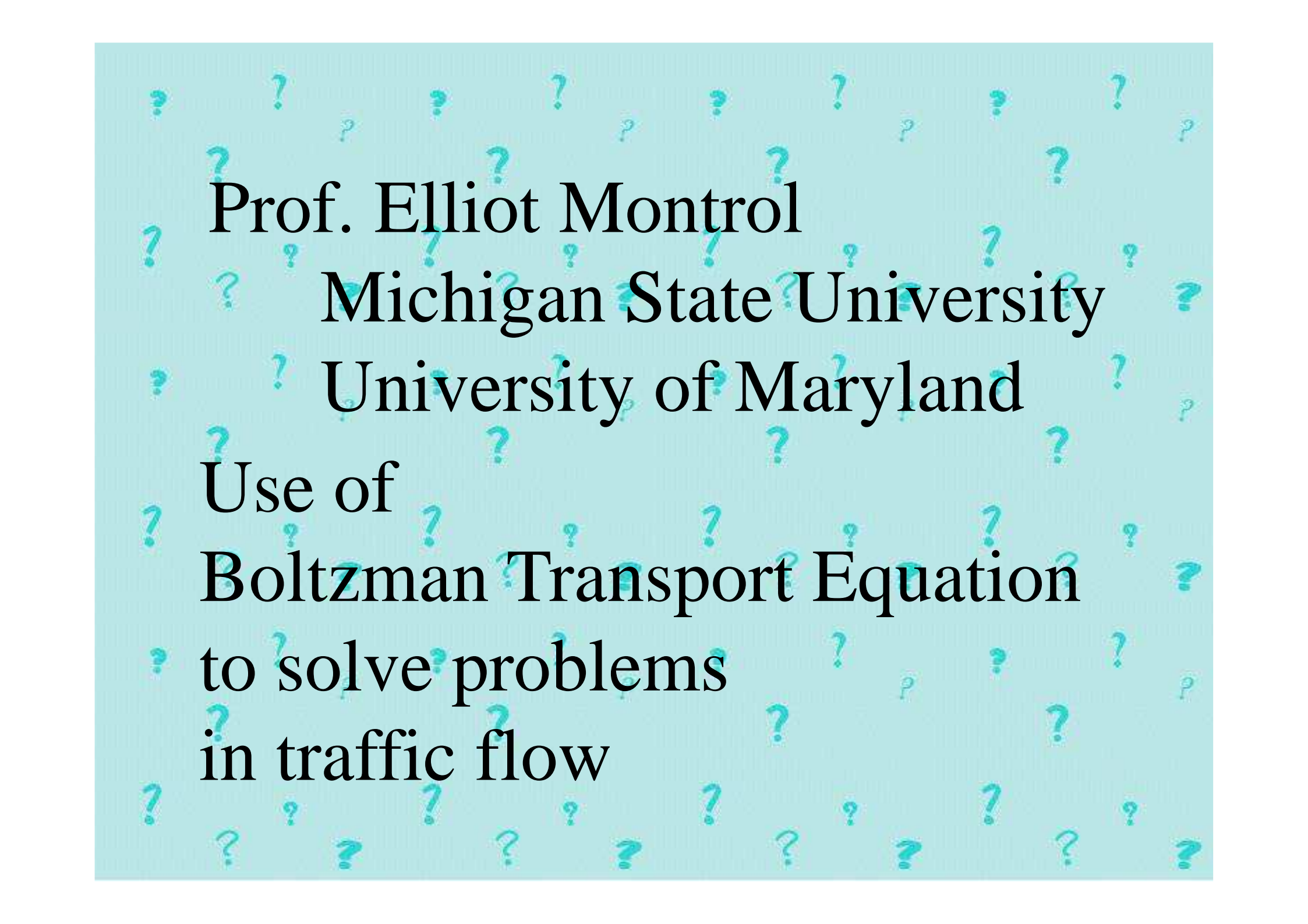
# C2-25 FUNNEL CART



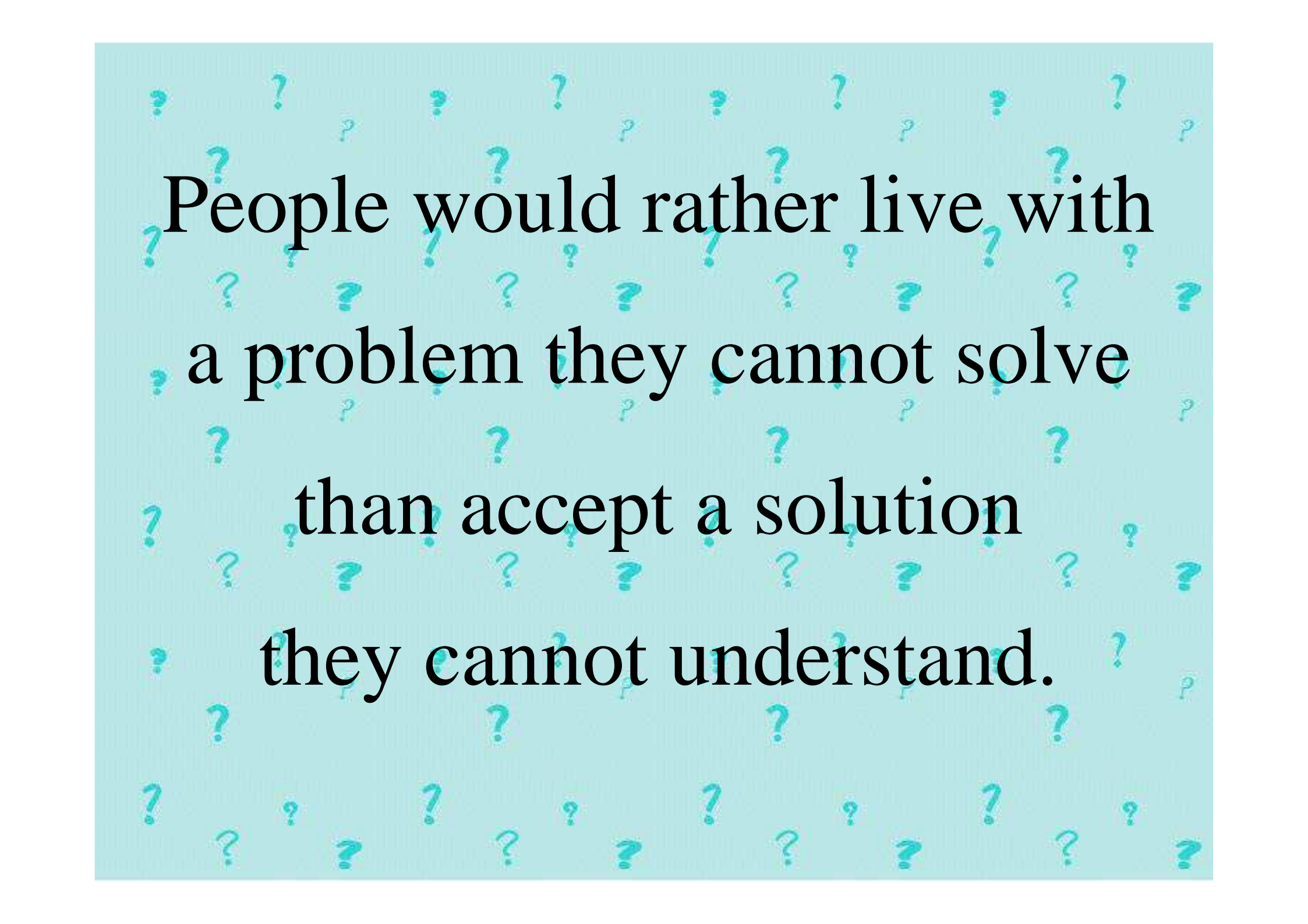


The background of the slide is a solid light blue color, overlaid with a repeating pattern of question marks. The question marks are in two colors: a darker blue and a lighter, almost white color. They are scattered across the entire surface in a non-uniform, random-like distribution.

# Braess' Paradox



Prof. Elliot Montrol  
Michigan State University  
University of Maryland  
Use of  
Boltzman Transport Equation  
to solve problems  
in traffic flow



People would rather live with  
a problem they cannot solve  
than accept a solution  
they cannot understand.

# Physicists and Modeling

J. Doyne Farmer, Martin Shubik, and  
Eric Smith:

Is Economics the Next  
Physical Science;  
Physics Today, September  
2005





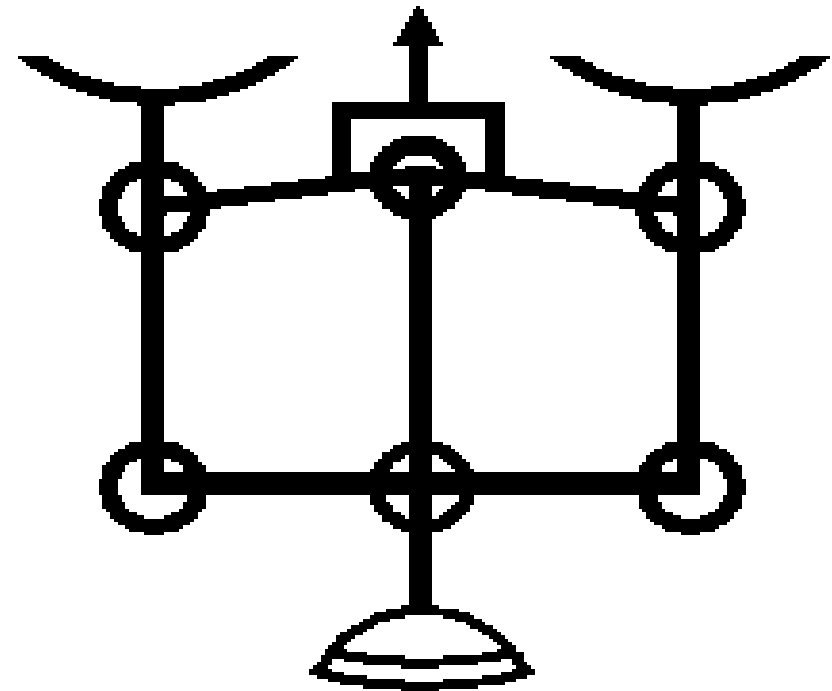
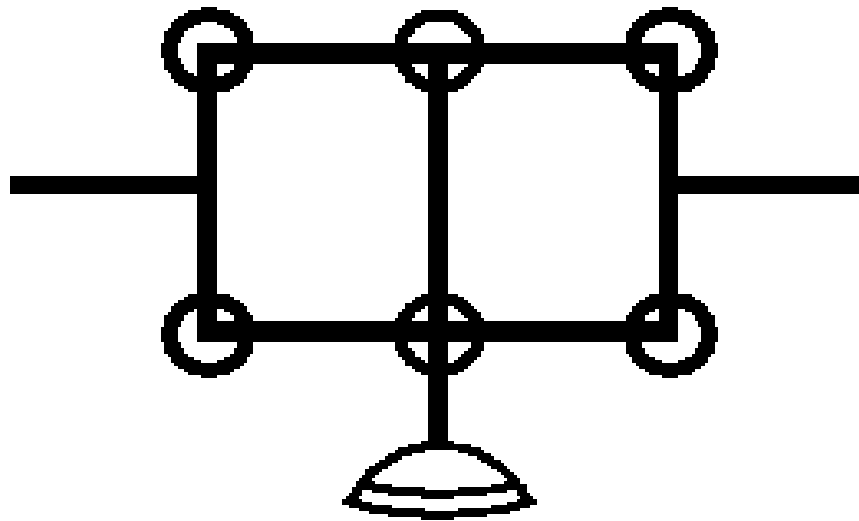
# J. C. Maxwell: On Governors

[Show paper](#)

# George Cooper: The Origin of Financial Crises



# Roberval Balance and Pan Balance







# C2-11 Racing Balls:

Straight track

Dipped track

Tie





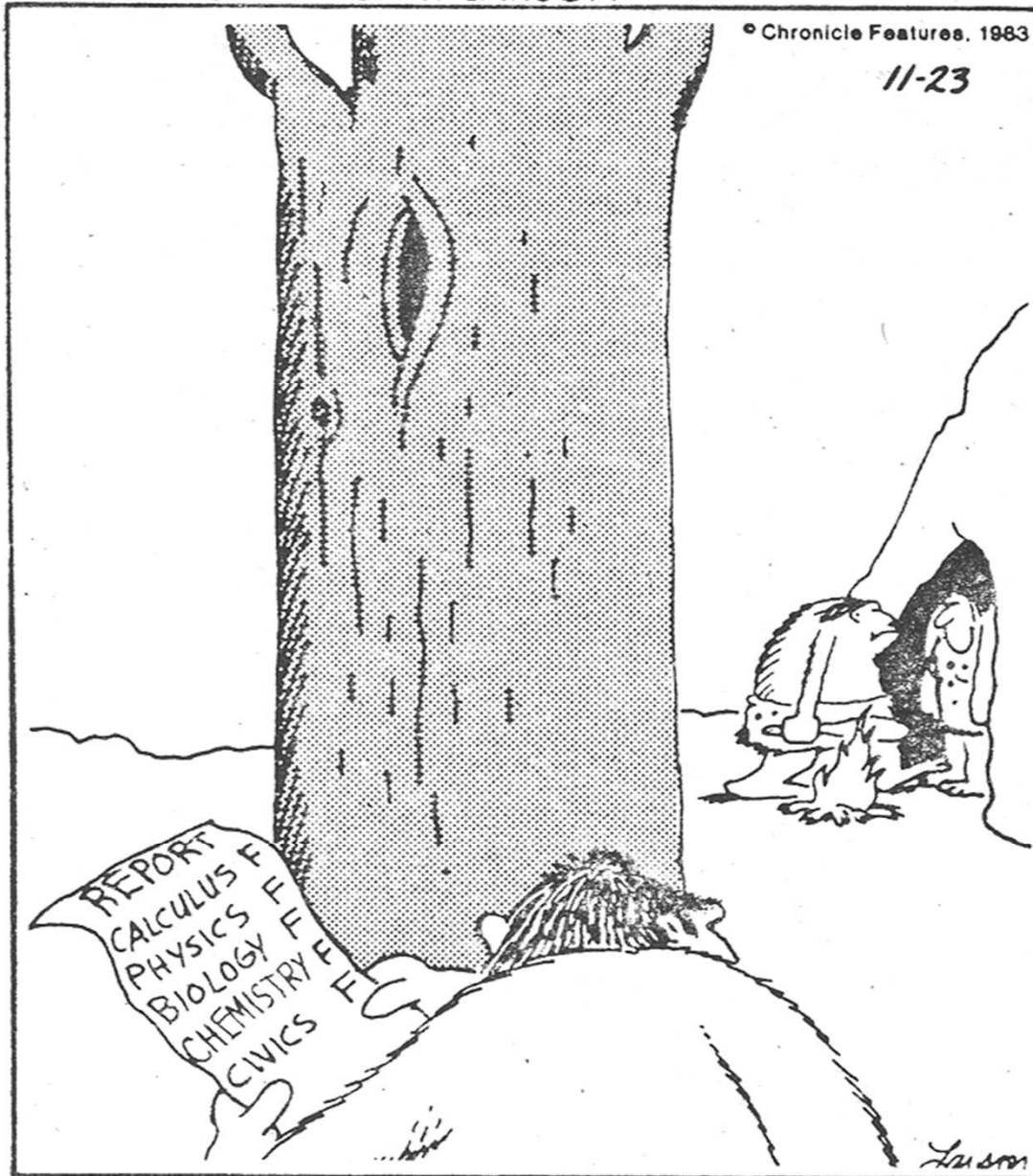




**THE FAR SIDE** GARY LARSON

© Chronicle Features, 1983

11-23



*Grog hesitated, not wanting to face his parents.*



# The End

You are welcome to attend  
Physics is Phun

We are on the web at

<http://www.physics.umd.edu/lecdem/>



Animated Gifs compliments of bellsnwhistles.com