

Introduction:

Inclination simulates (in two dimensions) the reaction of a block placed on an inclined plane. The size and weight of the block, the angle of the plane, the coefficients of friction of the plane, other external forces, and the initial velocity of the block may be set by the user. The system can be analyzed with various

features such as the *Data Grapher* or the *Energy Monitor*.

Getting Started:

The best way to begin working with *Inclination* is to look quickly through the *Documentation* and begin using the various features as you do so. The interface should be fairly familiar to the experienced NeXT user. To start a simulation simply

type Command-B to get the *Block Editor* and set the parameters you would like for your block. Click the *Ok* button when you are done. Then type Command-C to get the *Control Panel*. Click the *Start* button to begin the simulation.

A Few Notes:

Inclination works with several different simulations; each one appearing in a different

window. When using features of *Inclination* such as the monitor panels or editors the simulation which is running in the *main window* is the one being edited or monitored. The main window is the window with the title bar that is highlighted, or if a panel has the title bar highlighted then the *main window* is the window with the dimmed, but not grey title bar. Each monitor or panel should indicate which simulation is being edited so that you can be sure.

One feature of *Inclination* works with all of the simulations at once: the *Control Panel*. This allows comparison of simulations. This panel is discussed in detail

elsewhere in documentation.