## **Xwave for Windows**

## Run

starts or restarts the wave propagation

## **Display**

shows display controls dialog

mono use one color to plot wave meshstereo for use with red/blue 3d glasses

lighting displays the wave mesh with simulated lighting

rows select number of rows used in mesh select number of columns used in mesh

perspective control the 3d affect for the mesh

pins hold down/release top, bottom, left or right edges

defaults selects the original values

**Options** 

shows options dialog

McBeath runs the Jim McBeath enhanced version which uses

a simple spring model.

f = -kx - bv

k => spring constant

x => distance between nodes

b => damping factor

v => velocity of current node

original runs the "classic" Xwave program

**Physics** 

shows physics controls dialog

spring constant sets 'k' constant in f = -kx - bv

damp factor sets 'b' constant in f = -kx - bv