1014-V1-268   **Timothy P. Chartier*** (`tichartier@davidson.edu`), Davidson College, Department of Mathematics, Box 6908, Davidson, NC 28035-6908, and **Dan B Goldman**. *Putting a Spring in Yoda's Step.*

When the character Yoda first appeared on the silver screen, his movements were due to the efforts of famed muppeteer Frank Oz. In Star Wars Episode II: Attack of the Clones, Yoda returned to the movies but this time the character was not a puppet but a digital image within a computer. This talk will discuss the role, or more aptly the force, of mathematics behind a few aspects of movie special effects. Armed with differential equations, animators can create a believable flow to Yoda's robe or a convincing digital stunt person. (Received September 03, 2005)