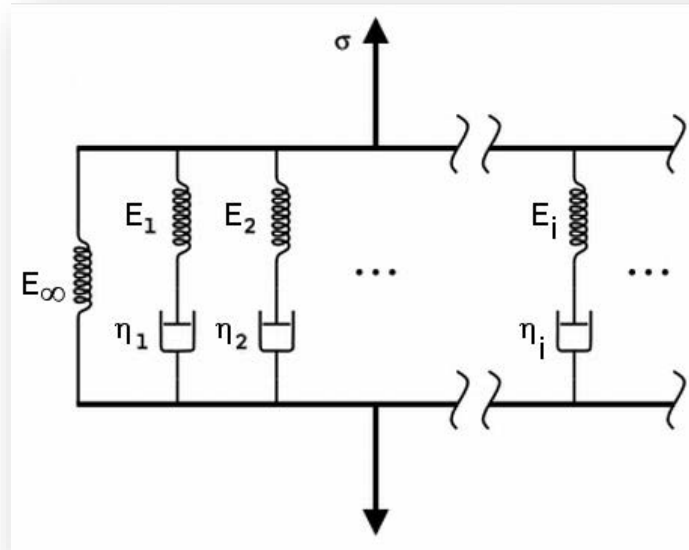# Department of Mathematics
Spring 2017 Colloquium Series

The Maxwell-Wiechert Model of Viscoelasticity

Joseph Carroll,
Humboldt State University

Thursday, April 27, 2017

BSS Room 204, 4 pm

The Maxwell-Wiechert model is the most complicated among several simple models used to describe certain viscoelastic materials; it is a concoction of linear springs and dashpots whose behavior is governed by several first order linear differential equations with constant coefficients. We derive the solutions to this model using the Laplace transform. Some of the results appear to be new.

Joe Carroll moved to Arcata in 1982 to practice family medicine, from which he has now retired, and has been an adjunct professor in the HSU mathematics department since 1984. He earned a B.S. in mathematics from the University of Notre Dame in 1969, a Ph.D. in mathematics from Harvard University in 1973, and an M.D. from the University of Miami Miller School of Medicine in 1976.

To view this poster online, go to http://www.humboldt.edu/math/news-and-events/math-colloquium

We cordially invite you to the Pre-Colloquium Tea on the third floor of the BSS building at 3:30 pm on Thursday