

**Meeting:** 1003, Atlanta, Georgia, MAA IPS Z2, MAA Invited Paper Session on Worlds of Interactive Mathematics, Part I: The Legacy of Elias Deeba

1003-Z2-1243      **Ananda D Gunawardena\*** (guna@andrew.cmu.edu), Carnegie Mellon University, 5000 Forbes Ave, Pittsburgh, PA 15213. *Some of Elias Deeba's work.*

Elias Deeba worked on many areas of Mathematics, from functional analysis to fuzzy logic to linear algebra to genetic algorithms to mention a few. He had an amazing ability connect with Mathematicians from all areas. My work with Elias started when he became interested in the use of computers in teaching and learning. In 1994, we started the Interactive Linear Algebra Text(ILAT) project, findings of which we published in 1998 as one of the first truly interactive Math textbooks. In this talk I will discuss how we developed the interactive Maple worksheets and created a whole new library of interactive maple functions to help students understand and apply linear algebra concepts. (Received October 04, 2004)