

1096-VQ-183      **Leon Kaganovskiy\*** ([leonkag@gmail.com](mailto:leonkag@gmail.com)), 1233 E 19TH ST APT 6J, BROOKLYN, NY 11230.  
*Applications of Maxima CAS to Differential Equations.*

In this presentation we would like to explore using freely available Maxima CAS to create codes which significantly enhance students' learning of more complicated Differential Equations concepts. Among the topics considered are the creating slope fields and phase portraits, population dynamics, object cooling, RK methods, and Ecological models. (Received August 14, 2013)