

1106-VO-2558      **Rachid Marsli\*** ([rmarsli1@student.gsu.edu](mailto:rmarsli1@student.gsu.edu)). *Extensions of Gersgorin Theory.*

For an eigenvalue of a matrix  $A$ , with geometric multiplicity  $k$ , we show that the eigenvalue is in at least  $k$  Gersgorin discs of  $A$ . Some related results and examples will be provided. (Received September 16, 2014)