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**A. Bahri\*** (bahri@rider.edu), Department of Mathematics, Rider University, Lawrenceville, NJ 08648, and **M. Bendersky, F. R. Cohen** and **S. Gitler**. *The cohomology rings of generalized moment-angle complexes.*

Associated to a simplicial complex  $K$  on  $m$  vertices and a family of  $m$  based CW pairs, is a CW complex called a generalized moment-angle complex. The moment-angle construction allows the representation of many familiar spaces as combinatorially defined subspaces of a product. After one suspension, this space decomposes into a wedge of spaces determined by the full sub-complexes of  $K$ . Paradoxically, the stable splitting can be exploited to give a description of the cohomology ring structure. The results complement cases studied by Hochster, Franz, Panov, Buskakov-Buchstaber-Panov and Davis-Januszkiewicz. (Received January 18, 2010)