1046-54-213 **Vera Tonic*** (vtonic@ou.edu), University of Oklahoma, Department of Mathematics, PHSC, 601 Elm Ave, Norman, OK 73019. *Bockstein basis and resolution theorems in extension theory.*

Resolution refers to a map $\pi : Z \to X$ between topological spaces, where the domain is somewhat better than the range, and the map's fibers meet certain requirements.

Resolution theorems produce maps $\pi : Z \to X$ between a domain of finite covering dimension dim, and a range of finite cohomological dimension $\dim_G$, with cell-like or G-acyclic fibers. We will look at standard resolution theorems by Edwards-Walsh, Levin and Rubin-Schapiro, and discuss a generalization of Edwards-Walsh resolution theorem. (Received August 19, 2008)