

**Ed Green**, *The symmetric special biserial algebras that are  $\mathcal{K}_2$ .*

Abstract: Let  $\Lambda$  be a finite dimensional  $K$ -algebra where  $K$  is a field. The algebra  $\Lambda$  is said to a  $\mathcal{K}_2$  algebra if the Ext-algebra  $\text{Ext}_\Lambda^*(\Lambda/\mathbf{r}, \Lambda/\mathbf{r})$  can be generated in degrees 1 and 2, where  $\mathbf{r}$  is the Jacobson radical of  $\Lambda$ . In joint work with Sibylle Schroll, Nicole Snashall, and Rachell Taillefer, we classify the symmetric special biserial algebras that are  $\mathcal{K}_2$ .