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**Claudiu Raicu\*** (craicu@nd.edu), Notre Dame, IN 46556, and **Jerzy Weyman**. *Local cohomology with support in ideals of symmetric minors and Pfaffians*.

I will describe the local cohomology modules of the ring of polynomial functions on the vector space of (skew-)symmetric matrices, with support in ideals generated by symmetric minors/Pfaffians. The said modules have a rich structure: they are D-modules (of finite length), as well as representations of the general linear group. Both of these structural aspects play an important role in the calculation of local cohomology. (Received August 05, 2015)