1145-90-1120   **Robert Hildebrand*** (`rhil@vt.edu`), **Matthias Koeppe** and **Yuan Zhou**. *Algorithms for understanding cut generating functions.*

Cut generating functions are central to the theory of integer programming and the cutting plane technique. Cut generating functions are used as a simple tool for generating cutting planes in a branch and cut framework of solving integer programs. We will discuss current progress on algorithms for understanding properties cut generating functions for pure integer programs for the one-row and two-row models. (Received September 19, 2018)