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Christine T. Cheng* (ccheng@uwm.edu), 3200 N. Cramer St., Milwaukee, WI 53211, and **Eric McDermid** and **Ichiro Suzuki**. *The center stable matchings and the centers of cover graphs of distributive lattices.*

Since the 1970's, it has been known that the set of stable matchings of a stable marriage instance form a distributive lattice. A center stable matching is a center of this lattice's cover graph. It is of interest to us because center stable matchings can be thought of as a fair stable matching in the same way that a center of a graph is a fair location in a facility location problem. In the talk, we present an efficient algorithm for computing a center stable matching given only the stable marriage instance. (Received July 29, 2014)