1037-14-70 **Frank Sottile*** (sottile@math.tamu.edu), Department of Mathematics, TAMU 3368, Texas A&M University, College Station, TX 77843, and **Frederic Bihan**. *Gale duality for complete intersections.*

Gale duality for polynomial systems is an elementary reformulation of a system of polynomial equations as a system of equations involving rational master functions in the complement of a hyperplane arrangement. Some properties of the original system are easier to understand in the Gale dual system. I will describe this Gale duality and present an example of this construction. This is joint work with Frederic Bihan. (Received January 22, 2008)