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James S. Wolper* (wolpjame@isu.edu), Department of Mathematics and Statistics, Idaho State University, 921 S. 8th Ave., Mail Stop 8085, Pocatello, ID 83209-8085. *Periods of Prym Varieties*. Preliminary report.

David Mumford showed that a general Prym variety, constructed from an unramified double cover of an algebraic curve, is not a Jacobian, but those constructed from covers of hyperelliptic curves are hyperelliptic Jacobians. Numerical experiments indicate that the arguments of periods of hyperelliptic curves cluster around a single value. This talk will explore the distribution of the periods of hyperelliptic Pryms from this perspective. (Received February 28, 2017)