

1106-VN-2195 **Max L. Goering*** (mlgoering@gmail.com), 915 Denison Ave. Apartment 6, Manhattan, KS
66502. *Modulus of families of walks on graphs.*

We introduce the notion of modulus of families of walks on graphs. We use Beurling's criterion for extremality, which we show can be interpreted on graphs as an instance of the Karush-Kuhn-Tucker conditions, as a guiding light to develop an algorithm that numerically computes the modulus. (Received September 16, 2014)