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Jared E Hoppis* (jehoppis@gmail.com), Kansas State University, Department of Mathematics, Manhattan, KS 66506. *Modulus metrics in the discrete and the continuum*. Preliminary report.

The study of Modulus originated in the plane, related to conformal mappings, but there has been much recent work in the setting of networks. We will show how Modulus can be used to define a new family of metrics depending on a parameter p , both in the discrete case, as well as in Euclidean spaces and more general metric spaces.

After recalling two main aspects of these modulus metrics on graphs, namely, an important property of duality and a notion of anti-snowflaking, we will explore, generalizations of these concepts to the continuum setting. (Received September 17, 2019)