

1125-37-1984 **Lien-Yung Kao*** (lkao@nd.edu), University of Notre Dame, Department of Mathematics, 255 Hurley Hall, Notre Dame, IN 46556. *Pressure Type Metrics on Spaces of Metric Graphs.*

We will discuss two Riemannian metrics on a moduli space of metric graphs. Both of them are constructed via thermodynamical formalism and could be thought of as analogues of the Weil-Petersson metric for the space of metric graphs. In particular, we will discuss and compare geometric features of these two metrics with the "classic" Weil-Petersson metric in Teichmüller theory. This work is motivated by an earlier work of Pollicott and Sharp. (Received September 19, 2016)