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Madhusudan Manjunath* (mmanjunath3@math.gatech.edu), 686 Cherry Street School of Mathematics, Atlanta, GA , and **Luo Ye**. *Smoothing of limit g_d^1 s on metrized complexes*. Preliminary report.

The notion of limit linear series on curves of compact type (reducible curves whose dual graph is a tree) introduced by Eisenbud and Harris has recently been generalized to metrized complexes of curves by Amini and Baker. Eisenbud and Harris showed that any limit g_d^1 on a curve of compact type can be smoothed to a g_d^1 on a smooth curve. We study the question of smoothing a limit g_d^1 on a metrized complex. We start with an example of a limit g_d^1 on a metrized complex that cannot be smoothed. We provide an effective characterization of a smoothable limit g_d^1 on a metrized complex and examples demonstrating this characterization. This is work in progress with Luo Ye. (Received September 15, 2013)