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**Alexander Yu. Solynin\*** ([alex.solynin@ttu.edu](mailto:alex.solynin@ttu.edu)), Department of Mathematics and Statistics,  
Broadway and Boston, Lubbock, TX 79416. *Quadratic differentials and weighted graphs.*

We will show that every weighted graph (not necessarily connected) embedded in a compact surface can be realized as a critical subgraph of some quadratic differential. This generalizes a previous work of the author where such realization was established for connected graphs. (Received February 22, 2010)