

## Conjectures on Metrized Graph Invariants and their Consequences

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We will briefly introduce metrized graphs, polarized metrized graphs and their basic properties. Then we will describe some of their invariants, and mention several conjectures concerning these invariants. Afterwards, we will talk about a number of consequences of those conjectures, including the proof of Effective Bogomolov Conjecture over function fields of characteristic zero. We plan to speculate very shortly about the possible future applications of metrized graphs at the end of our talk.