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Art M. Duval* (adual@utep.edu), **Caroline J. Klivans** (caroline_klivans@brown.edu) and **Jeremy L. Martin** (jlmartin@ku.edu). *Metric polyhedral complexes*. Preliminary report.

A metric polyhedral complex is, roughly, a polyhedral cell complex along with a volume function that respects subdivisions. We define the Jacobian and Picard groups on metric polyhedral complexes, as the first step towards generalizing the idea of chip-firing on metric graphs to higher dimensions. (Received August 29, 2016)