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Charles Frohman* (charles-frohman@uiowa.edu) and **Adam Sikora**
(asikora@buffalo.edu). *Coordinatizing trivalent graphs embedded in finite type surfaces.*

A web is an trivalent graph whose edges have been oriented so that every vertex is a source or sink, embedded in a surface F so that no exterior regions are monogons, bigons, or quadrigons. If F is a finite type surface with at least one puncture having negative Euler characteristic then F admits an ideal triangulation. We give coordinates for isotopy classes of webs embedded in such a finite type surface based on the intersection of the web with an ideal triangulation. (Received September 08, 2020)