1163-18-219   **Joshua R Edge*** (`edgej@denison.edu`). *Classification of symmetric trivalent categories.*
Building on the work of Morrison, Peters, and Snyder, we classify all non-trivial planar algebras of (perhaps non-planar) trivalent graphs coming from symmetric trivalent categories. For each of these planar algebras, we also classify when the sub-planar algebra generated by only the trivalent vertex is braided. An interesting example of this arises from Deligne's S_t. (Received August 28, 2020)

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