1127-16-346   **John D Wiltshire-Gordon*** (`jwiltshiregordon@gmail.com`). *Specht polytopes and Matroidification.*

We present an analog of "categorification" which we call "matroidification" and explain the relationship to the theory of FI-modules. The real matroidification of the Specht module is a polytope that carries an action of the symmetric group and naturally inhabits an irreducible representation.

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