1139-05-556   **Nadia Lafrenière**, **Franco V Saliola*** (`saliola.franco@uqam.ca`) and **Stéphanie Schanck**.
Spectral properties of shuffling operators in symmetric group algebras. Preliminary report.

We present recent progress on our ongoing project to study spectral properties of certain elements of group algebras of symmetric groups. These elements include the random-to-random shuffling operators (Dieker-Saliola, 2018) as well as the symmetrized shuffling operators studied by Reiner, Saliola and Welker (2014). (Received February 19, 2018)