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**Matt Clay, Johanna Mangahas\*** (mangahas@buffalo.edu) and **Dan Margalit**. *Effective free normal subgroups of mapping class groups*. Preliminary report.

We write down the power needed for a pseudo-Anosov mapping class and its conjugates to generate a free normal subgroup of its mapping class group. We also address the analogous problem for partial pseudo-Anosovs and/or Dehn twists generating both free and non-free normal subgroups isomorphic to right-angled Artin groups. (Received August 15, 2019)