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Justin Malestein and **Jing Tao*** (jing@ou.edu), Norman, OK 73069. *Self-similar surfaces: involutions and perfection.*

Big mapping class groups, or mapping class groups of surfaces of infinite type, form a rich class of non-locally compact Polish (separable, completely metrizable) groups. The behavior of these groups can be quite wild. In this talk, I will showcase a large class of examples that are perfect and another large class of examples whose abelianizations can map onto an infinitely-generated abelian group. This is joint with Justin Malestein. (Received September 18, 2021)