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**Kasra Rafi\*** ([rafi@math.toronto.edu](mailto:rafi@math.toronto.edu)). *Thoughts about mapping class group and  $Out(F_n)$* . Preliminary report.

We discuss analogies between the mapping class group and  $Out(F_n)$  and how some results in mapping class group translate to the  $Out(F_n)$  setting. (Received August 20, 2013)