

# ON THE ALGEBRAIC STRUCTURE OF GROUPS OF AREA-PRESERVING HOMEOMORPHISMS

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Abstract: In the late 70s, Fathi showed that the group of compactly supported volume-preserving homeomorphisms of the ball is simple in dimensions greater than 2. We present our recent article which proves that the remaining group, that is area-preserving homeomorphisms of the disc, is not simple. This settles what is known as the simplicity conjecture in the affirmative. This is joint work with Dan Cristofaro-Gardiner and Vincent Humilière.