

# Invariant Radon measures on measured foliation space

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## **Abstract**

Let  $S$  be an oriented surface of genus  $g \geq 0$  with  $m \geq 0$  punctures and  $3g - 3 + m \geq 2$ . We classify all invariant Radon measures on the space of measured foliations on  $S$  which are invariant under the action of the mapping class group. We conclude that the only such measure which is moreover conservative is the Lebesgue measure (up to scale).