



On overtwisted, right-veering open books

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We exhibit infinitely many overtwisted, right-veering, non-destabilizable open books, thus providing infinitely many counterexamples to a conjecture of Honda-Kazez-Matic. The page of all our open books is a four-holed sphere and the underlying 3-manifolds are lens spaces.

Comments: 6 pages, 4 figures. v2: minor edits, accepted for publication in the Pacific Journal of Mathematics

Subjects: **Geometric Topology (math.GT)**; Symplectic Geometry (math.SG)

MSC classes: 57R17, 53D10

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