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On the asymptotic directions of semitrajectories of analytic flows on surfaces. (English. Russian original) [Zbl 1047.37026](#)

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Introduction: The investigation of the nonlocal asymptotic behaviour of semitrajectories of flows on surfaces of nonpositive Euler characteristic is one of the main problems in the Anosov-Weil theory that has emerged fairly recently. Here we describe the nonlocal asymptotic directions of liftings to the universal covering of semitrajectories of analytic flows on a closed hyperbolic orientable surface.

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MSC:

[37E35](#) Flows on surfaces

[53C22](#) Geodesics in global differential geometry

Keywords:

geodesic lamination; nonlocal asymptotic behaviour; flows on surfaces; universal covering of semitrajectories

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