

The Schwarz problem for infinite sets of intervals

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Abstract

© 2016, Allerton Press, Inc. We solve the Schwarz problem for boundary contours consisting of countable sets of segments with limit point at infinity, including the periodic case. The solution is a result of a reduction to corresponding Riemann boundary-value problems.

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Keywords

doubly periodic system of segments, elliptic function, periodic function, periodic system of segments, quasi-elliptic function, Riemann boundary-value problem, Schwarz problem