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**An Explicit Solution to the Dirichlet Problem  
with Rational Holomorphic Data  
in Terms of a Riemann Mapping**

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**Abstract.** We obtain and prove an explicit formula for the solution of the Dirichlet problem in a simply connected bounded domain in the plane with rational holomorphic data. In particular, the solution can be expressed using only two functions: the boundary data function and a Riemann map of the domain.

**Keywords.** Dirichlet problem, Riemann map, rational solution.

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