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**On the Boundary Behaviour  
of Univalent Harmonic Mappings onto Convex Domains**

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**Abstract.** In this note we discuss the boundary behavior of a univalent harmonic mapping  $f$  from the unit disk  $U$  “onto” a bounded convex domain  $\Omega$  in the sense of Hengartner and Schober, whose second dilatation function  $a$  is an inner function. This problem was raised by Laugesen in [10].

**Keywords.** Harmonic mapping, analytic dilatation, convex domains, elliptic differential equation.

**2000 MSC.** Primary 26C10; Secondary 30C15.

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10 R. Laugesen, Planar harmonic maps with inner and Blaschke dilatations, *J. London Math. Soc.* (2) **56** (1997), 37–48.