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# Rigorous numerics for the Beltrami equation

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We discuss a class of uniformization problems – construction of a conformal isomorphism of a subset of the complex plane to an appropriate covering space, which is achieved through the Measurable Riemann Mapping Theorem. A crucial ingredient of this construction is solution of a Beltrami equation – a complex PDE. We will describe an implementation of a rigorous solver for this PDE.

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