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Circle packing converges to the Riemann biholomorphism

 **(Riemann mapping theorem)** Let $\Omega \subset \mathbb{C}$ be a simply connected open, proper subset of $\mathbb{C}$. Then there exists a biholomorphism from Ω onto the unit disk >

$$f : \Omega \rightarrow D$$

Moreover, given $a \in \Omega$ there is a **unique** biholomorphism

$$\begin{aligned} f : \Omega &\rightarrow D \\ f(a) = 0, f'(a) &> 0 \end{aligned}$$

[1]

[2]

[3]

Current note has 0 direct children and 0 total descendants.

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And it has 39 siblings.

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1. [2025 Christopher Bishop - quasiconformal mappings](#) ↩
2. <https://terrytao.wordpress.com/category/teaching/246b-complex-analysis/> ↩
3. <https://sites.math.northwestern.edu/~nlohr/thesis.pdf> ↩