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Peter Lin* (peterlin@uw.edu), University of Washington, Department of Mathematics, Box 354350, C-138 Padelford, Seattle, WA 98195-4350. *Random conformal welding of dendrites.*

Conformal welding is a way of gluing Riemann surfaces along their boundary; however, the existence and uniqueness of the resulting object is in general difficult to determine; this is the conformal welding problem.

We prove that a natural conformal welding problem associated to the continuum random tree (CRT) has a solution, giving rise to a ‘canonical’ random embedding of the CRT in the plane. Joint work with Steffen Rohde. (Received January 29, 2019)