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An o-minimal version of the Riemann Mapping Theorem

We show that the germ of a Riemann map (*i.e.*, a biholomorphic map from a simply connected domain in the complex plane onto the unit ball) at an analytic corner of angle greater than 0 can be realized in a certain quasianalytic class, used by Ilyashenko in his solution of Hilbert's 16th problem. With this we are able to show that the Riemann map from a simply connected domain which is semianalytic and bounded, is definable in an o-minimal structure under some condition on the singularities of the domain.