

ENTIRE FUNCTIONS ARISING FROM TREES

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Any finite tree T in the plane is ambiently homeomorphic to $T_p := p^{-1}([-1, 1])$, where p is a polynomial with only two critical values ± 1 . We are going to consider a generalization of this result. More precisely, we present a *topological uniformness condition* to ensure that for any infinite tree T in the plane satisfying this condition, there is always an entire function f which has only two critical values ± 1 and no asymptotic values and such that T is ambiently homeomorphic to $T_f := f^{-1}([-1, 1])$.