

# Tropical complex dynamics

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We consider the limits of quasiconformal deformation of rational maps when the degree drops. On the Riemann sphere, some part of dynamics disappears, but one may introduce a limit object which is an R-tree and the dynamics become a piecewise linear map, which we call the “tropical complex dynamics”. Interesting dynamics is also carried by the “local model” which is a collection of rational maps between spheres corresponding to various parts of degeneration. we discuss a converse realization problem of such a limit.