THE GIBBS STATE ASSOCIATED TO $(w - c)^q = z^p$

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ABSTRACT. We introduce the notion of Julia set for the holomorphic correspondence of the plane
$$R_c : (w - c)^q = z^p$$
and prove an estimate for its Hausdorff dimension. The estimate follows from the existence of a Gibbs measure on the Solenoid associated to R_c.

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