

María José González, Universidad de Cádiz

Quasiconformal mappings and the corona problem

We study the corona theorem for domains whose boundary lies in a smooth curve. The idea is to transfer the problem via a quasiconformal mapping to a Denjoy domain and use the results from Garnett and Jones. For that we will use a characterization of this type of curves that involves a Carleson condition on the dilatation coefficient of the quasiconformal mapping.