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Aula Petita (CRM).

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## Quasiconformal mappings and the corona theorem

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**ABSTRACT:** 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.