

H^2 -Corona problem on weakly pseudoconvex domains

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We show that the H^2 -Corona problem has a positive solution for a large class of weakly pseudoconvex domains including pseudoconvex domains of finite D'Angelo type and pseudoconvex domains admitting a definition function which is psh on the boundary. The proof relies heavily on Hormander's 1965 Acta paper. This is a joint work with Xu Xing.