

Abstract Submitted
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Superconductivity from purely repulsive interactions in the 2D electron gas SRINIVAS RAGHU, Rice University, STEVEN KIVELSON, Stanford University — We present a well-controlled perturbative renormalization group (RG) treatment of superconductivity from short-ranged repulsive interactions in a variety of model two dimensional electronic systems. Our analysis applies in the limit where the repulsive interactions between the electrons are small compared to their kinetic energy.

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