Stripe order, electron pockets, and Fermi arcs\textsuperscript{1}

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The recent observation of an electron pocket by quantum oscillation experiments is naturally explained by the presence of magnetic stripe order near 1/8 hole doping in cuprates \[1\]. A bigger question is how these observations are related to other phenomena in the phase diagram - the pseudogap phase, quantum critical points, and Fermi arcs \[2\], and the implications this might have for the origin of high temperature superconductivity.


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