

Abstract Submitted
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Theory of $\text{LaVO}_3/\text{SrVO}_3$ superlattices¹ HUNG DANG, ANDREW MILLIS, Department of Physics, Columbia University, New York, NY 10027 — We present dynamical mean field theory calculation and compare to experimental data [1] of the magnetic, orbital order and metal-insulator phase diagrams of $\text{LaVO}_3/\text{SrVO}_3$ superlattices. The calculation is based on a three-orbital model system; semiclassical and quantum Monte Carlo impurity solvers are used.

[1] U. Luders, W. C. Sheets, A. David, W. Prellier, and R. Fresard, Phys. Rev. B 80, 241102(R) (2009).

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