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divERGe - an open source functional renormalization code for material calculations

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We present divERGe, an open source, high-performance C/C++/Python library for functional renormalization group (FRG) calculations on lattice fermions. The versatile model interface is tailored to real materials applications and seamlessly integrates with existing, standard tools from the ab-initio community. The code fully supports multi-site, multi-orbital, and non-SU2 models in all of the three included FRG variants: TUFGR, N-patch FRG, and grid FRG. In this talk I will give a short overview of the interface and present results from different material calculations.

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