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Projected Hartree-Fock in a shell-model basis¹ JOSHUA STAKER, CALVIN JOHNSON, San Diego State University — We implement projected Hartree-Fock in a shell-model basis and compare against exact numerical results from full space diagonalization. We consider the accuracy of projected Hartree-Fock for the excited state spectrum, the moment of inertia, and also odd-even staggering.

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