Files and processors used for computation

There are ten (10) files, including two (2) input files. We use Intel compiler and run the codes on 40 processors using Intel MPI. We use MATLAB R2019b Update 4, 64-bit (maci64) on a MacBook Pro (13-inch, 2017, Four Thunderbolt 3 Ports) with processor 3.5 GHz Dual-Core Intel Core i7.

1. "distmf40e280.dat": The probabilities of 40 discrete entrepreneurial productivity (z). Input file.
2. "supportmf40e280.dat": The values of 40 discrete entrepreneurial productivity (z). Input file.
3. "steadynomf40by2.f90": Computes the stationary equilibrium without microfinance.
4. "steadymf40by2_clspread.f90": Computes the stationary equilibrium with microfinance.
5. "lrsoe_clspread.f90": Computes the stationary equilibrium with microfinance for a small open economy taking the world interest rate as given.
6. "tranmf40by2_clspread.f90": Computes the transition dynamics following the introduction of microfinance. It takes as input "p.nomf", which is the initial wealth distribution (density) conditional on entrepreneurial and labor productivity (40 by 2), which can be constructed from the output file of "steadynomf40by2.f90".
7. "srpe_clspread_tha.f90": Generates the decision rule for the microfinance intervention in partial equilibrium for Thailand (Table 3). See "mmt_srpe_clspr.m" below.
8. "srpe_clspread_ind.f90": Generates the decision rule for the microfinance intervention in partial equilibrium for India (Table 4). See "mmt_srpe_clspr.m" below.
9. "mmt_srpe_clspr.m": A MATLAB file using the output files from "steadynomf40by2.f90" and "srpe_clspread_tha/ind.f90", compute the changes in moments of interest in partial equilibrium reported in Tables 3 and 4.
10. "welfarecomp.m": A MATLAB file using output files from "steadynomf40by2.f90" and "tranmf40by2_clspread.f90", construct Figure A.1.
11. "twofer.f90": This is the file that generated the two-sector results in our 2012 NBER working paper. A summary of the results can be found in Appendix C of the current paper.