

Abstract: Estimating Dynamic Models of the Firm

Research on estimating dynamic models of the firm has become a fixture of empirical financial economics. However, development has been hampered by the computational burden involved in solving a complex dynamic program tens of thousands of times. We are requesting a renewal of our allocation to cover our agenda in the study of dynamic models, which would otherwise be impractical to pursue. We continue to investigate several new models of firm behavior. The topics include monetary policy transmission and international finance and growth. We have developed a set of scalable programs on XSEDE computers that allow this agenda to make full use of the resources available through an XSEDE allocation.