1172-49-259   **Baasansuren Jadamba*** (`bxjsma@rit.edu`). *Parameter Identification Problem in a Stochastic Partial Differential Equation.* Preliminary report.

This work focuses on an inverse problem of identifying a stiffness parameter in a stochastic linear elasticity system that models displacements in human tissues. We discuss the optimization approach we take for the problem and present the results of some numerical experiments. (Received August 30, 2021)