1125-35-2266 **Yaxin Zhang*** (yz7211@rit.edu), School of Mathematical Sciences, Rochester Institute of Technology, 85 Lomb Memorial Drive, Rochester, NY 14623, and **Baasansuren Jadamba**.

Parameter Estimation in a Mathematical Model of Tumor Growth. Preliminary report.

We consider a minimization problem with PDE constraints arising from mathematical modeling of an avascular, spheric tumor growth. The model is based on the diffusion based growth of tumor and consists of a system of coupled partial differential equations (PDEs). The problem is solved numerically and the results are compared to the model data and biological parameters that are available. (Received September 20, 2016)