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**Mohammad Mahabubur Rahman\*** (mohammad-mahabu.rahman@ttu.edu), Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409. *Serrin-type regularity criteria for the two-dimensional Kuramoto-Sivashinsky equation.*

The Kuramoto-Sivashinsky equation (KSE) draws the attention of many mathematicians and scientists for its chaotic behavior and its similarity to Navier-Stokes equations. In this present study, Serrin-type regularity of two-dimensional Kuramoto-Sivashinsky equation is studied. (Received July 26, 2020)