

1046-35-2125 **Yuri Latushkin*** (yuri@math.missouri.edu), Department of Mathematics, University of Missouri, Columbia, MO 65211. *Stability of a combustion front*

For gasless combustion in a one-dimensional solid, we show a type of nonlinear stability of the physical combustion front. This is a joint project with Anna Ghazaryan, Stephen Schecter, and Aparecido J. de Souza. (Received September 25, 2008)