

Abstract Submitted
for the DFD12 Meeting of
The American Physical Society

On gaseous detonation in a radially expanding flow ASLAN KASIMOV, SVYATOSLAV KORNEEV, KAUST — We investigate two-dimensional converging detonation in a radially expanding flow of ideal gas. The steady state structure is computed analytically and its stability and nonlinear dynamics are explored using numerical simulation. Intricate cellular patterns are observed.

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Date submitted: 03 Aug 2012

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