Singularity formation in a model of shallow water wave equations
PRABIR DARIPA, Texas A&M University — We will present numerical solutions
from initial value calculations of a model of shallow water wave equation. For small
data, numerical solution develops singularity in a finite time. Driven by the structure
of solutions, we carry out analysis based on numerical results to prove singularity
formation. Numerical and theoretical results will be shown.

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