## Higher Order Discontinuous Galerkin Method for Acoustic Pulse Problem A. V. Wolkov<sup>1</sup>, N. B. Petrovskaya<sup>2</sup>

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## Abstract

We discuss the methodology of the validation of a higher order discontinuous Galerkin scheme for acoustic computations. That includes an accurate definition of the exact solution in the problem as well as careful study of convergence properties of a DG scheme for a chosen acoustic problem. The efficiency of a higher order scheme will be confirmed for computations on coarse meshes.