

# A parallel space-time multigrid method

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For evolution equations we present a space-time method based on Discontinuous Galerkin finite elements. Space-time methods have advantages when we have to deal with moving domains and if we need to do local refinement in the space-time domain. For this method we present a multigrid approach based on space-time slaps. This method allows the use of parallel solution algorithms. First numerical examples will be given.

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