Filtering for Visualization

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Model problem and solution:

- Discontinuous Galerkin (DG):

\[ u_t + u_x = 0 \]

- Flexible
- High Order
- CFD & electromagnetic

Filtering:

\[ u^*(x) = \int_{\Omega} K(x)u(x)dx \]

Potential difficulties:

Unstructured Meshes

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Reference: