

Abstract Submitted  
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**High-order jet-schemes for problems with moving interfaces**

JEAN-CHRISTOPHE NAVE, McGill University, BENJAMIN SEIBOLD, Temple University, RUBEN ROSALES, MIT — Gradient-augmented and more generally jet-schemes belong to a new class of optimally-local and high order methods. In this talk I will present their general formalism and show several applications to level set interface tracking problems. Also, I will try to highlight the ubiquity of the approach and the simplicity of implementation.

Jean-Christophe Nave  
McGill University

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