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Future challenges for variational analysis

Modern non-smooth analysis is now roughly thirty-five years old. In this talk and the associated paper I shall attempt to analyse (briefly): where the subject stands today, where it should be going, and what it will take to get there? Summary: the first order theory is rather impressive, as are some applications. The second order theory is by comparison somewhat underdeveloped and wanting.

See <http://carma.newcastle.edu.au/~jb616/vasurvey.pdf> for further reference.