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**M. Zuhair Nashed\*** ([zuhair.nashed@ucf.edu](mailto:zuhair.nashed@ucf.edu)). *Bounded Variation Regularization Revisited: Mathematical Aspects*. Preliminary report.

Based on joint research with Otmar Scherzer, we consider some mathematical aspects dealing with convergence and stability of minimization problems in the space of functions of bounded variation. Examples include BV denoising, BV regularization of least-squares solutions of ill-posed operator equations, and nonstandard minimization problems arising in conductivity imaging. (Received September 26, 2012)