SOME ALGORITHMS FOR GENERALIZED INVERSE MIXED VARIATIONAL INEQUALITIES

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We study the generalized inverse mixed variational inequality (GIMVI) problem in real Hilbert spaces. Unlike many existing works, we do not assume that (F, G) is a strongly monotone couple. Instead, we assume that each operator is strongly monotone and Lipschitz continuous. We propose one proximal gradient method and two proximal extragradient-type methods, and show strong convergence under suitable conditions.

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