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*Uniformly Monotone Operators on Hilbert Spaces*

Some properties of uniformly monotone operators on Hilbert spaces, such as surjectivity and their connections with nonexpansive mappings via the reflected resolvent will be presented. Self-dual properties and characterizations of operators such that  $A$  and  $A^{-1}$  are uniformly monotone will be given. (Based on joint work with L. Liu and W. Moursi)