VIRTUAL EAST-WEST SCV SEMINAR

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AN EXTENDED MONGE-AMPERE OPERATOR

I will discuss a joint work in progress with Mats Andersson and David Witt Nyström, that extends previous work with Andersson and Błocki. We introduce a class of plurisubharmonic functions $\mathcal{G}$ for which there is a natural Monge-Ampère operator with nice local and global properties. The class $\mathcal{G}$ includes plurisubharmonic functions with analytic singularities and has certain convexity properties, and thus it has a quite rich structure.