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**Nestor Daniel Guillen\*** (nguillen@math.umass.edu) and **Russell Schwab**. *A min-max formula for nonlinear elliptic operators and its applications.*

We show that any operator satisfying a (weak) global comparison principle can be represented by a min-max formula in terms of (possibly nonlocal) linear operators. Besides providing a non-linear analogue of a classical theorem of Courrège, this shows that the general non-local theory can be put within the framework of Bellman-Isaacs equations. Among further applications of this representation formula, we highlight the analysis of questions about (local, nonlinear) boundary problems with integro-differential tools (Received August 11, 2015)