

1129-35-222

**Igor Verbitsky\*** ([verbitskyi@missouri.edu](mailto:verbitskyi@missouri.edu)), Department of Mathematics, University of Missouri, Columbia, MO 65211. *Global pointwise estimates of solutions to nonlinear elliptic equations.*

Global pointwise estimates of positive solutions will be discussed for equations of the type  $-Lu + Vu^q = f$ , where  $L$  is an elliptic operator in divergence form,  $q \in \mathbf{R} \setminus \{0\}$ ,  $f \geq 0$  and  $V$  is a function which may change sign, in a domain  $\Omega \subseteq \mathbf{R}^n$ , or in a weighted Riemannian manifold, with a positive Green's function. This is joint work with Alexander Grigor'yan. (Received March 16, 2017)