CONIC STRUCTURE OF THE NON-NEGATIVE OPERATOR CONVEX FUNCTIONS ON $(0, \infty)$

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Dedicated to Professor Tsuyoshi Ando with admiration

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ABSTRACT. The conic structure of the convex cone of non-negative operator convex functions on $(0, \infty)$ (also on $(-1, 1)$) is clarified. We completely determine the extreme rays, the closed faces, and the simplicial closed faces of this convex cone.

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