CONIC STRUCTURE OF THE NON-NEGATIVE OPERATOR
CONVEX FUNCTIONS ON $\mathbb{R}^+$

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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 $\mathbb{R}^+$ (also on $(-1, 1)$) is clarified. We completely deter-
mine the extreme rays, the closed faces, and the simplicial closed faces of this
convex cone.

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