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Xumin Jiang*, 110 Frelinghuysen Road, Piscataway, NJ 08854-801. *The Loewner-Nirenberg problem in domains with conic singularities.*

We talk about the boundary behavior of solutions to the Loewner-Nirenberg problem in domains with conic singularities. To analyze the boundary behavior of solutions with respect to multiple normal direction, we first derive the lower eigenvalue growth estimate for certain singular elliptic operators. (Received January 29, 2019)