

Hint about constraints on C'_{∞}^*

Find an answer to the following questions, following the order of presentation:

- 1) Consider a degenerate conic C_o of rank 2. How is it constituted? How can it be written?
- 2) What is the RNS of C_o ? Consider this as a "Theorem"
- 3) Consider duality. What is the dual Theorem?
- 4) Apply this theorem to C_{∞}^* as it is a rank-2 degenerate dual conic: what is the RNS of this dual conic
- 5) Apply the last fact to the image C'_{∞}^* of C_{∞}^* : what is the RNS of this matrix?

Now you have two additional constraints on C'_{∞}^*