Convex Relaxations of Chance Constrained AC Optimal Power Flow

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Comments and Corrections

Correction to “Convex Relaxations of Chance Constrained AC Optimal Power Flow”

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In the article [1], there is a typo in the equation in (45) in (Section III.D). The correct formula should read:

\[
N_s \geq \frac{1}{e} \left( \ln \frac{1}{\beta} + 2n_W - 1 \right)
\]

In addition, the statement in (Section III.V) that the approximation of the joint chance constraint with individual chance constraints with the same maximum allowable violation probability \(\epsilon\) is “conservative” is incorrect. In fact, the maximum of the observed individual chance constraint violation probabilities only provides a lower bound on the joint chance constraint violation probability.

Reference


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