Messages

●●●00 IPCO 중

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Is my feasible point optimal?

It is if there is a dual solution saying so in the polar set

So then a nearby dual solution proves near-optimality?

Correct. Let's find a close-by primal/dual solution pair using Frank–Wolfe style updates

I'll bring my separation oracle

Simple iterative methods for linear optimization over convex sets

Theory

Unlike cutting plane methods, we get a convergence guarantee:

$$GAP \leq \frac{R}{r\sqrt{t}}$$

R , r How round is the body?

t How many iterations?

Experiments

