

Neil Thapen:

A simple strong tradeoff between height and size in resolution

Provisional abstract: Recently [Fleming, Pitassi, Robere '21] gave an example of a CNF for which any resolution refutation of small size requires very large depth (also called height, measuring the longest path through the refutation). I will discuss a similar result with a much simpler proof, which in particular does not use the method of hardness condensation.