Solving Quadratic Unconstrained Binary Optimization by Digital and Annealers with AI

舒宇宸 教授

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Abstract

In this talk, I will delve into the combinatorial optimization problems formulated in the quadratic unconstrained binary optimization (QUBO) framework and solve them by the digital and GPU annealers. I will present a comparative analysis of digital annealers versus traditional annealers, focusing on their performance across a range of classical NP-hard problems. Additionally, I will show some recent results about the AI predictions for QUBO initialization.

日　期:114 年 11 月 12 日(星期三) 16:10~17:00

地　點:本校數學館 527 教室(嘉義縣民雄鄉大學路 168 號)

茶　會：15:30~16:00 數學館四樓 409 室舉行

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