

高丁超

2023 年 9 月 18 日



Outline

1 work

2 search

- Quantum image computation based on TDD

3 activity

2023国重实验室学生学术论坛

“可信人工智能”系列研讨会-北京站

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transition system: (S, I, Σ, T)

where $\begin{cases} x = x_1, \dots, x_n \\ y = y_1, \dots, y_n \\ \sigma = \sigma_1, \dots, \sigma_m \end{cases}$

Quantum transition system: (S, S_0, Σ, R)

benchmark	basic	addition	contraction
Grover 20	~5min	~4min	~4sec
Quantum Fourier Transform 20	~20min	~11min	<1sec
Quantum Random walk 20	~6min	~4min	~15sec
Bernstein-Vazirani 50	~4min	~4min	~16sec
GHZ 500	~3sec	~1.5sec	~1.7sec

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党组织活动

所内登山运动



Thanks