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Sommario/riassunto

This book constitutes the refereed proceedings of the 18th International Joint Conference on Theoretical Computer Science-Frontier of Algorithmic Wisdom (IJTCS-FAW 2024), consisting of the 18th International Conference on Frontier of Algorithmic Wisdom (FAW) and the 5th International Joint Conference on Theoretical Computer Science (IJTCS), held in Hong Kong, SAR, China, during July 29-31, 2024. FAW started as the Frontiers of Algorithmic Workshop in 2007 at Lanzhou, China, and was held annually from 2007 to 2021 and published archival proceedings. IJTCS, the International joint theoretical Computer Science Conference, started in 2020, aimed to bring in presentations covering active topics in selected tracks in theoretical computer science. To accommodate the diversified new research directions in theoretical computer science, FAW and IJTCS joined their forces together to organize an event for information exchange of new findings and work of enduring value in the field. The 20 full papers and 3 short papers included in this book were carefully reviewed and selected from 43 submissions. They focused tracks on algorithms, blockchain theory, computational economics and algorithmic game theory.