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Sommario/riassunto

This open access book constitutes the refereed proceedings of the 5th Asian Supercomputing Conference, SCFA 2019, held in Singapore in March 2019. The 6 full papers presented in this book were carefully reviewed and selected from 33 submissions. They cover a range of topics including memory fault handling, linear algebra, image processing, heterogeneous computing, resource usage prediction, and data caching.