

UNIVERSITY OF SOUTH FLORIDA

Defense of a Master's Thesis

Fast Computation on Processing Data Warehousing Queries on GPU Devices

by
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For the MSCS degree in Computer Science & Engineering

Current DBMS use GPUs as dedicated accelerators to process each individual query, which results in low utilization, low system throughput, and more time of overall query processing. To resolve this problem, this paper suggests a way to transfer all of the desired data into the global memory of GPU and keep it until all queries are executed as one batch. This results in better performance in less time of overall query processing. The execution time is improved by up to 40%.

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10 AM

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THE PUBLIC IS INVITED

Examining Committee

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