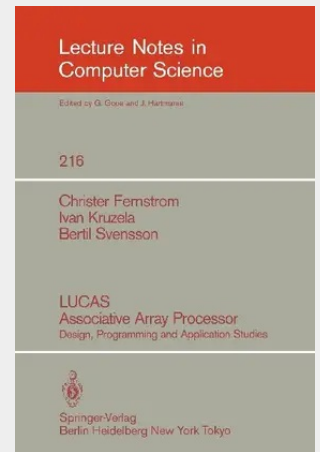


LUCAS Associative Array Processor

Design, Programming and Application Studies

Parallel and associative processing.- LUCAS System Architecture.- Basic instructions.- Comparison with related designs.- LUCAS microprogramming language.- PASCAL/L & A high level language for LUCAS.- Some well-known problems implemented on LUCAS.- LUCAS as a backend processor for relational database processing.- LUCAS as a dedicated processor for image processing.- Conclusions and continued research.

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