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## Heuristic Optimized Processing System (HOPS)

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TOPIC -----

This article describes the HOPS (Heuristic Optimized Processing System) software available from HOPS International, Inc.

DISCUSSION -----

HOPS speeds up indexing, sorting and algebra operations in relational databases. You can use it on a Macintosh with 5MB of RAM and appropriate storage.

HOPS features a series of algorithms that speed up indexing, sorting and algebra operations in relational databases on the Macintosh. For example, 100,000 records can be fully indexed in 25 seconds, or 1,000,000 records in three minutes. Only one disk access is required per seek, even when dealing with a billion or more records. Sorts, Boolean scans, insertions, and so on, are equally as fast.

During coding, a "seed" is described via a simplified definition module and inserted into a host program (Pascal, C, and so on). Although this insertion is somewhat analogous to the insertion of subroutine, the magnitude and complexity of tasks that can be accomplished with a single "seed" serves to distinguish this tool.

To locate a vendor's address and phone numbers, use the vendor name as a search string.

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