

MICROCOMPUTER-BASED KNOWLEDGE SYSTEM TOOL

Designed for the IBM PC family, and its compatibles, **muExpert** aids in creating knowledge-based applications software. Knowledge systems are computer programs capable of giving advice within a small domain. Based on knowledge borrowed from users **muExpert** poses and answers questions relating to this knowledge.

muExpert accepts specialized knowledge from one user and stores it in a file making it available to other users. This file, or knowledge base, contains facts as well as rules that describe how the facts are related. This makes it easy to update knowledge when conclusions are incorrect or more current information is available. Since knowledge is often uncertain, **muExpert** uses numbers (i.e. certainty factors) to rate the certainty of rules and conclusions. When a consultation is requested, the knowledge base employs rules to tell **muExpert** how to "think" about the user's answers. Final conclusions are displayed with an associated certainty factor and relevant facts. From this point, processing may automatically continue with another knowledge base or program.

muExpert features:

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|------------------------------|------------------------|
| * knowledge base linking | * dynamic disk I/O |
| * access to other programs | * backward chaining |
| * menu-driven user interface | * full-screen editor |
| * reasoning with uncertainty | * meta-rule processing |

Automatic Intelligence Systems

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Send \$79.95 for **muExpert** diskette with software and manual, or \$149.95 if you want extra benefits: printed manual, technical documentation for source (LISP) code, update and commissions.