

@begin verbatim

EDINBURGH ML

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This kit contains a VAX-VMS version of ML.  
Edinburgh ML is described in:

M. Gordon, R. Milner, C. Wadsworth,  
"Edinburgh LCF",  
Lecture Notes in Computer Science n. 78,  
Springer-Verlag, 1979.

The differences between that implementation and the present one  
are discussed in MLCHANGES.DOC and MLSYNTAX.DOC.  
Example programs can be found in ARRAY.ML and LAMBDA.ML.

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To set up the system:

- copy all the files from the floppy disks into a single directory;
- execute the command file LINKML.COM (type "@LINKML" at the command level).

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To run ML use the command file ML.COM (type "@ML" at the command level).

If the ML system is kept in a directory DISK:[MIKE.ML],  
then ML users should put the following line in their  
LOGIN.COM file:

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$ ml := @DISK:[MIKE.ML]ML
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To enter the system they can then type 'ml' at the command level.

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Memory Allocation:

The variable "SpaceSize" (first line in the assembler file MLROUT.PAS)  
determines the size of the ML-heap, which is  $2 * \text{SpaceSize}$  (there are  
SpaceSize bytes of active memory + SpaceSize bytes for garbage collection).  
At the moment SpaceSize = 512K, hence 1M byte is allocated whenever the  
system is loaded. If this is too much for your VAX, ML can run with as  
few as 8K bytes of ML-heap (not for long). If you change SpaceSize you  
have to reassemble MLROUT.PAS and link the result by LINKML.COM (note  
that you don't need a Pascal compiler).

There is also a Pascal-heap which grows indefinitely during compilation  
but is stable during execution.

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Changes:

If you make changes in the source files, you can use the command file

COMPML.COM (you need the VAX-PASCAL compiler) and LINKML.COM to regenerate the system.

COMPML.COM recompiles all the modules. However if you have not modified at all the source file MLGLOB.PAS, it is enough to recompile the modules you have changed, by using the command file PAS.COM (type "@PAS <filename>" with no file extension).

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The system is still under development. You can send copies to universities (please notify me) but NOT to industries or research institutions without my consent.

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