

## InterModeller specification

- Multiple knowledge representation languages — including forward and backward rules, decision trees, and classification (hierarchical) trees. Factor tables are also featured in the Macintosh version.
- All languages are interchangeable — a knowledge base can be automatically switched between representational forms.
- Graphical tools for knowledge base development — e.g. draw a decision tree on screen and run it directly, or click a button to transform it into rules or any other form of representation.
- In-built machine-learning — models can be automatically 'slimmed' to improve efficiency (uses ACLS induction).
- Full expert-system style runtime features — how and why explanation, certainty handling, consultation review, etc.
- Macintosh version requires System 7 or later.
- Windows® version requires Windows 95, Windows 98 or Windows NT.

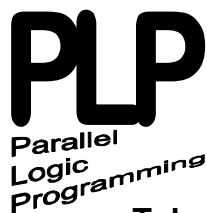
To find out more, visit our website at [www.parlog.com](http://www.parlog.com), where you can also download a *free* evaluation copy of **InterModeller**.

**InterModeller** for Macintosh or PC costs £70 (or US\$110 or 110 euros) for a one-year school subscription. This provides *unlimited* use of the software within your school for 12 months. The advantages to you of this method of payment compared to outright purchase are threefold:

- Low initial cost.
- Software updates are received automatically.
- You cease paying when you no longer use the software.

To order, please send us your payment or an official purchase order, specifying which version of the system (Macintosh or Windows®) you require and the name of your school.

We welcome enquiries from local education authorities for multi-school licences.



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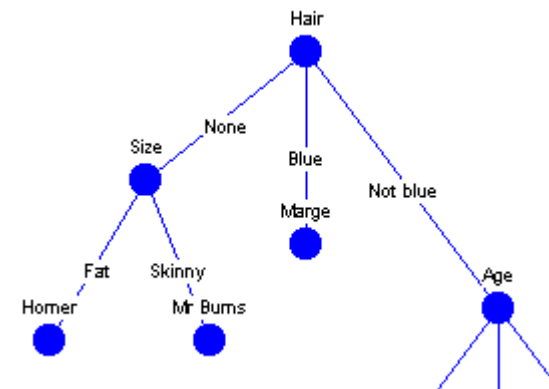
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## Parallel Logic Programming presents

# InterModeller

for Macintosh  
and Windows®



From the same author as the acclaimed Primex system, **InterModeller** has already established itself as the clear front runner in classroom knowledge-based systems. Now available for both Macintosh and Windows® platforms, **InterModeller** combines a rich set of fully interchangeable knowledge representation languages with an amazingly high level of usability.

For secondary and tertiary teachers everywhere, **InterModeller** is now the software of choice for teaching Artificial Intelligence, Knowledge-Based Systems and Expert Systems.

Multiple knowledge representation languages: forward and backward rules, decision trees, classification trees, factor tables

The screenshot shows the main InterModeller window with three sub-windows. The 'Forward rules 2' window contains two rule snippets: 'IF the distance IS less than 5 miles THEN the best form of transport IS a bicycle' and 'IF the distance IS more than 1000 miles THEN the best form of transport IS an aeroplane'. The 'Bikes ctree' window shows a classification tree with nodes for 'vehicles', 'cars', 'bicycles', 'mountain bikes', and 'racing bikes', with associated attributes like 'no of wheels IS 4' and 'tyres ARE smooth'. The 'Feline dtree' window shows a decision tree for feline classification with nodes for 'Habitat of feline?', 'Type of coat?', 'Colour?', and 'Texture of coat?', leading to leaf nodes like 'Panther' and 'Gold'.

Graphical tools for knowledge base development — draw a decision tree on screen and run it directly

All languages are interchangeable — a knowledge base can be automatically switched between representational forms

The 'InterModeller Consultation' dialog box displays the following text: 'Advice: Japanese bob tail'. Under 'Explanation for advice:', it states: 'The advice was reached as follows. It was shown that: Japanese Bob Tail = true using the rule: IF Habitat of feline ? = Domestic AND Type of coat ? = Short hair AND Texture of coat ? = Straight AND Type of tail ? = Bobbed Tail'. At the bottom, there are buttons for 'Go on', 'Why', 'How', and 'Cancel'.

Full expert-system style runtime features — how and why explanation, certainty handling, consultation review, etc.

In-built machine-learning — models can be automatically 'slimmed' to improve efficiency (uses ACLS induction)

The 'Transform model' dialog box is titled 'Transform "Feline dtree" to ...'. It has two columns: 'Required model type:' and 'Output to window:'. The 'Required model type:' list includes 'Backward rules', 'Classification trees', 'Decision trees', 'Easy-b rules', 'Easy-f rules', and 'Forward rules'. The 'Output to window:' dropdown is set to 'New window'. There are checkboxes for 'Clear window first' (checked) and 'Slim to essentials' (unchecked). At the bottom, there are 'Ok' and 'Cancel' buttons, and an 'Arrange:' dropdown set to 'Overlap'.