

Logic Programming

Course Outline

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- Introduction.
- Pure logic (relational) programming.
- The Prolog Language. Programming in Prolog.
- Efficient Prolog programming.
- Combining Logic Programming, Functional Programming, Higher Order, Objects.
- The Ciao Programming System.
- Review of first order predicate logic and resolution. Fundamental results.
- Semantics of logic programs.
- Other topics (if time permits).
 - ◊ Implementation of logic languages and advanced compilation.
 - ◊ Parallelism, concurrency.
 - ◊ Other LP/CLP languages.