



## An analysis on the dendral expert system

By Bijoy Boban

GRIN Verlag Apr 2013, 2013. Taschenbuch. Book Condition: Neu. 213x148x72 mm. This item is printed on demand - Print on Demand Neuware - Seminar paper from the year 2013 in the subject Chemistry - Organic Chemistry, printed single-sided, grade: -, Lovely Professional University (School of computer science), course: MTech C.S.E, language: English, abstract: In this paper, we do an analysis on the influential pioneer project in the application area of Heuristic programming for experimental analysis in empirical science using IUPAC conventions. The primary aim of the DENDRAL project was to help organic chemists in identifying unknown organic molecules from compounds extracted from known origin that had medicinal or utility value. The process was done by analysing their mass spectra and then undergoing comparative study using knowledge of chemistry. It was done at Stanford University by Edward Feigenbaum, Bruce Buchanan, Joshua Lederberg, and Carl Djerassi. It began in 1965 and spans approximately half the history of AI research. The DENDRAL Project was one of the first large-scale programs to embody the strategy of using detailed, task-specific knowledge about a problem domain as a source of heuristics, and to seek generality through automating the acquisition of such knowledge. 32 pp. Englisch.



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