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Two transformations on attribute grammars improving the complexity of their evaluation

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The 1988 AAAI Workshop on Explanation (A summary of the five sessions of this workshop that focused on research areas and questions in expert systems explanation)

Michael R. Wick

Current issues in natural language generation (An overview of the 1988 AAAI Workshop on Text Planning and Realization Grammar)

Eduard Hovy, David D. McDonald and Sheryl R. Young

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Trial by fire: understanding the design requirements for agents in complex environments (A real-time adaptive planner that manages forest fires in a simulated environment is used to explore the functional relationships between agents and the environment in which they work)

Paul R. Cohen, Michael L. Greenberg, David M. Hart and Adele E. Howe

The power of physical representations (Programs that make predictions about the physical world must represent and reason with abstract entities, principles, and laws of physics)

Varol Akman and Paul J. W. ten Hagen

On interface requirements for expert systems

(Significant aspects of behavior and user expectation are peculiar to expert systems and their users. Examples from an actual system are used to illustrate)

Richard L. Wexelblat

Knowledge-based system applications in engineering design: research at MIT (Several research projects are described that utilize knowledge-based systems techniques for engineering design automation)

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The advanced architectures project (A five-year project at Stanford's Knowledge Systems Laboratory is investigating how concurrent processing can speed up the performance of AI applications)

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Universal planning: an (almost) universally bad idea (Is it sensible for a system to generate plans by analyzing and caching all possible solutions? Ginsberg says no)

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Penguins can make cake (The author demonstrates that approximate universal planning is capable of solving Ginsberg's fruitcake problem)

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In defense of reaction plans as caches (The man who coined the term *universal planning* defends his position)

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