

## Razoamento siloxístico aproximado: unha contribución aos patróns de inferencia e casos de uso

**Título** Razoamento siloxístico aproximado: unha contribución aos patróns de inferencia e casos de uso

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**Abstract** In this thesis two models of syllogistic reasoning for dealing with arguments that involve fuzzy quantified statements and approximate chaining are proposed. The modeling of quantified statements is based on the Theory of Generalized Quantifiers, which allows us to manage different kind of quantifiers simultaneously, and the inference process is interpreted in terms of a mathematical optimization problem, which allows us to deal with more arguments than standard deductive ones. For the case of approximate chaining, we propose to use synonymy, as used in a thesaurus, for calculating the degree of confidence of the argument according to the degree of similarity between chaining terms. As use cases, different types of Bayesian reasoning (Generalized Bayes' Theorem, Bayesian networks and probabilistic reasoning in legal argumentation) are analysed for being expressed through syllogisms.

### LIGAZÓNS

 Teseo

### DESCARGAS

 Referencia BibTex

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### PROGRAMAS CIENTÍFICOS

Intelixencia na web (antigo)

Intelixencia de negocio (antigo)

Intelixencia de negocio e na web (antigo)