Partial Order Planning

Overview:

What is partial order planning?

Is the opposite of total-order planning

Known to solve the Sussman Anomaly

In this report, we will review 3 different partial order planning planners

* SNLP
* TWEAK (1987)
* REPOP

SNLP

TWEAK

<http://users.cs.cf.ac.uk/Dave.Marshall/AI2/node127.html>

<https://pdfs.semanticscholar.org/e237/1b0c96bde6da4a243579d2cadfc6136c9e3d.pdf>

UCPOP

<http://homes.cs.washington.edu/~weld/papers/ucpop-kr92.pdf>

UCPOP & REPOP

<http://www.ai.mit.edu/courses/16.412J/ucpop.html>

<http://rakaposhi.eas.asu.edu/ucpop-revive.pdf>

For each algorithm, summarize:

Background, when it was found and by whom, what was it originally created for.

What is the key idea, if it improved upon an existing algorithm, what was it.

Pros and cons of the algorithm.

What contribition did it have on the field of AI search and planning as a whole?