

Links Sheet:

PDDL, Planning Systems and Domains

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1 PDDL Resources

- Automated Planning Course (Jonas Kvarnström, Linköping University)
(<https://www.ida.liu.se/TDDD48/index.en.shtml>)
- An introduction to PDDL
(www.cs.toronto.edu/~sheila/2542/w09/A1/introtopddl2.pdf)
- Patrik Haslum's Planning Resources
(<http://users.cecs.anu.edu.au/patrik/#resources>)
- A Beginner's Introduction to Heuristic Search Planning (Malte Helmert and Gabriele Röger, AAAI-15)
(http://ai.cs.unibas.ch/misc/tutorial_aaai2015/)
- Modelling the Wumpus World in PDDL
(<http://users.cecs.anu.edu.au/patrik/pddlman/wumpus.html>)

2 Planning Systems

- Planning.domains Editor
(<http://editor.planning.domains>)
- Planning.domains Solver
(<http://solver.planning.domains/>)
- Fast Forward
(<https://fai.cs.uni-saarland.de/hoffmann/ff.html>)
- Metric-FF
(<https://fai.cs.uni-saarland.de/hoffmann/metric-ff.html>)
- Fast Downward
(<http://www.fast-downward.org>)
- Madagascar planner [M, Mp, MpC]
(<https://users.ics.aalto.fi/rintanen/satplan.html>)
- List of planners
(<https://www.ida.liu.se/TDDD48/labs/2016/planners.en.shtml>)

3 Domains

- Planning.domains API
(<http://api.planning.domains>)
- Planning.domains Repository
(<https://bitbucket.org/planning-researchers/classical-domains>)
- FD domains collection
(<https://bitbucket.org/aibasel/downward-benchmarks/src>)
- FF domain collection
(<https://fai.cs.uni-saarland.de/hoffmann/ff-domains.html>)

4 Planners and Domains from IPC Competitions

- ICAPS - all IPCs
(<http://icaps-conference.org/index.php/main/competitions>)
- Example: 2014 Deterministic Track
(<https://helios.hud.ac.uk/scommv/IPC-14/>)
 - Planners booklet
(<https://helios.hud.ac.uk/scommv/IPC-14/repository/booklet2014.pdf>)
 - Planners code
(<https://helios.hud.ac.uk/scommv/IPC-14/errPlan.html>)
 - Benchmarks
(<https://helios.hud.ac.uk/scommv/IPC-14/repository/benchmarksV1.1.zip>)

5 Tools

5.1 IDE

- MyPDDL for Sublime Text
(<http://pold87.github.io/myPDDL/>)
- PDDL mode for Emacs
(<https://www.emacswiki.org/emacs/pddl-mode.el>)

5.2 Development

- pyperplan - a lightweight STRIPS planner written in Python
(<https://bitbucket.org/malte/pyperplan>)
- PDDL4J - Java PDDL library
(<https://github.com/pellierd/pddl4j>)
- LAPKT (<http://lapkt.org>)