Title: Visualization and Verification of Plans

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Abstract: Plan analysis is an important part of complete planning systems. In order to make even larger plans transparent and human readable, we have developed a program which helps users with the analysis and visualization of plans. This program is called VisPlan - Interactive Visualization and Verification of Plans. VisPlan is an inevitable part of this thesis as it practically implements its plan verification and visualization solutions. VisPlan finds and displays causal relations between actions, it identifies possible flaws in plans (and thus verifies plans' correctness), it highlights the flaws found in the plan and finally, it allows users to interactively modify the plan and hence manually repair the flaws or just fine-tune the plan.

Keywords: Planning, Artificial Intelligence, PDDL, Verification