

UNIVERSITY OF TORONTO

Planning in Artificial Intelligence is the problem of finding actions that an agent is capable of performing, and some desired goal or objective, the solution to a planning of the world, a set of actions that an agent is capable of performing, and some desired goal or objective, the solution to a planning of the world. problem is a policy – a mapping from states to actions – that the agent can execute to achieve the goal. There is often uncertainty in the task either because action outcomes are intrinsically uncertainty in the task either because the world is not modeled precisely, or because the world is not modeled precisely. wind can affect the movement of a vehicle. In this work we address the class of Probabilistic transition model. In particular, we focus on finding policies that maximize the probabilistic transition a prescribed goal. Our algorithm, Prob-PRP, outperforms the state of the art, computing substantially more robust policies orders of magnitude faster than the state of the art.

From Logistics to Drones: Customized Controllers for Autonomous Systems

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