Using Distance Estimates in Search: A Re-evaluation Jordan Thayer and Wheeler Ruml and Jeff Kreis UNIVERSITY of NEW HAMPSHIRE

Can using distance-to-go estimates improve the performance of bounded suboptimal search? Grid Life Four-way 35% Obstacles

90.000 Greedy on 60,000 distance-to-go,d, beats greedy on 2 Iotal cost-to-go, h. 30,000





Searching on distance works because cheap paths may be longer in terms of search effort.

Previous Work:

Dynamically weighted A* decreases greediness as depth increases.





 A_{ϵ}^* expands the node closest to the goal that is within the suboptimality bound.





