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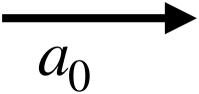
Shooting Methods

Illustration





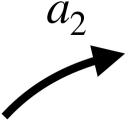




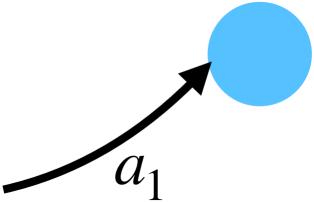




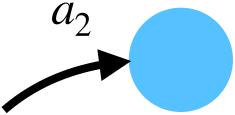


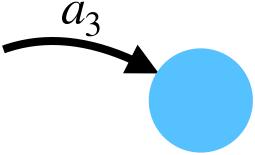


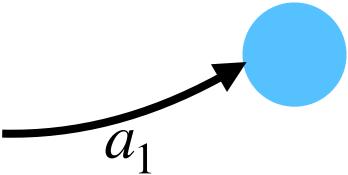


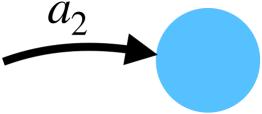


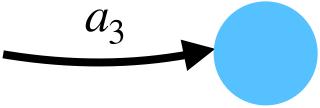












 $J(a_{0:H}) = \gamma^0 r(s_0, a_0) + \gamma^1 r(f(s_0, a_0), a_1) + \dots + \gamma^H r(f(f(s_0, a_0), a_1)) + \dots + \gamma^H r(f(f(s_0, a_0), a_0)) + \dots + \gamma^H r(f(s_0, a_0), a_0)) + \dots + \gamma^H r(f(s$



Recursively evaluate dynamics

Gradient based approaches are fast

But local minima

And vanishing/exploding gradients

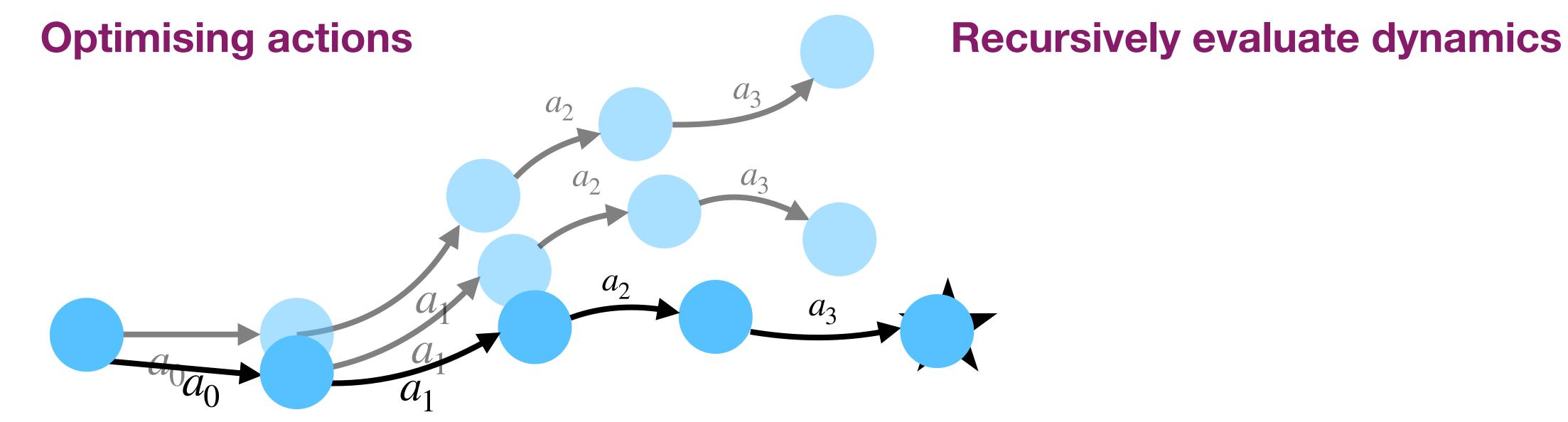


Shooting Methods

Illustration

Gradient based approaches are fast But local minima And vanishing/exploding gradients

$$J(a_{0:H}) = \gamma^0 r(s_0, a_0) + \gamma^1 r(f(s_0, a_0), a_1) + \dots + \gamma^H r(f(f(s_0, a_0), a_0) + \dots +$$



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Shooting Methods

Random shooting





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22