Recursieve Monte Carlo

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focus

- recursieve integraal vergelijkingen
- ODEs
- PDEs

(1)

(2)

(3)

$$y' = y \tag{1}$$

(2)

(3)

$$y'=y \hspace{1cm} (1)$$

$$y(t) = y(0) + \int_0^t y(s)ds$$
 (2)

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 $Y(t) = y(0) + tY(S)$ (3)

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 (3)

 $S \sim \text{Uniform}(0, t)$



$$(3)+$$

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recursie in recursie

$$(3)+$$

- recursie in recursie
- (lineaire) control variates

(3)+

- recursie in recursie
- (lineaire) control variates
- Russische roulette

loglog plot

