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mc_longstaffschwartz

Input parameters:

- Number of iterations N
- Generator Type
- Increment inc
- Regressor Basis $basis$
- Dimension Approximation $dimapprox$
- Number of Exercise Date $exercise\ datenumber$

Output parameters:

- Price P
- Delta δ

Description:

Computation of Bermudian Option Price with the Longstaff-Schwartz algorithm that gives an estimation of an optimal stopping time using regression method. [1]. [Longstaff-Schwartz Method](#)

References

- [1] F.A.LONGSTAFF E.S.SCHWARTZ. Valuing american options by simulations:a simple least-squares approach. *Working Paper Anderson Graduate School of Management University of California*, 25, 1998. [1](#)