

[Source](#) | [Model](#) | [Option](#)
| [Model_Option](#) | [Help on mc methods](#) | [Archived Tests](#)

mc_longstaffschwartz2d

Input parameters:

- Number of iterations N
- Generator_Type
- Increment inc
- Regressor Basis $basis$
- Dimension Approximation $dimapprox$
- Number of Exercise Date $exercise_date_number$

Output parameters:

- Price P
- Delta1 δ_1
- Delta2 δ_2

Description:

Computation of Bermudan 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