



# Chap. 2 : Dérivation numérique

- Dériv. num. ordre 1
  - erreur de troncature
  - erreur d'arrondi's
- Dériv. num. ordre 2

2-1

2-2 2-3

2-4



Welcome to Chapter 2 : "Numerical differentiation". Today we'll discuss the following problems : First-order numerical derivative : we'll deal with truncation error of Taylor series, and we'll talk about round-off errors. Then we'll discuss numerical differentiation of order 2 so we'll have to know first-order finite difference formula and a second-order finite difference formula. So the book chapters we'll deal with are chapters 2.1, 2.2, 2.3 and 2.4.

Notes

Summary



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