Fractional order models and fractional differential equations in science and engineering

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6. Other Methods for the Solution of Fractional-order Equations

7. Numerical Evaluation of Fractional Derivatives

1. Introduction and overview

2. Special Functions of the Fractional Calculus

3. Fractional Derivatives and Integrals

4. Linear Fractional Differential Equations

5. Fractional Green’s Function


9. Survey of Applications

Texts

- some other books and articles.
Fractional Calculus

What's in the name?

- Constituting or comprising a part or fraction of a possible whole or entirety
- Date “fractional” was first used in popular English literature: sometime before 1762

...Calculus

- The branch of mathematics that is concerned with limits and with the differentiation and integration of functions
- Rhyming with "Calculus": meticulous, miraculous, ridiculous, fabulous, nebulous, populous, stimulus