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and statistics for engineers, computer programming, fluid mechanics, hydraulics, and numerical methods. His research interests include mathematical and numerical modeling of fluid systems, hydraulic structures, and erosion control applications.
Dr.

**Numerical and
Statistical Methods
with SCILAB for**

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Acces PDF Numerical And Statistical **Science ...**

A comprehensive book on numerical & statistical methods with SCILAB, useful as a desktop reference. The sample codes were good but let down by errors. The print too contains errors particularly the setting for mathematical equations. Overall it is still usable and a useful resource for experienced SCILAB user.

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J Sci Comput (2008)
37: 43-71 DOI 10.1007
/s10915-008-9216-6

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the Coarse-Graining of
Many-Particle
Stochastic

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For statisticians, it examines the nitty-gritty computational problems behind statistical methods. For mathematicians and computer scientists, it looks at the application of mathematical tools to statistical problems. The first half of the book offers a basic background in numerical analysis that emphasizes issues important to

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differentiation and

Integration: Numerical

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Numerical integration

using Trapezoidal Rule,

Simpson's 1/3rd and

3/8th rules Numerical

solution of 1st and 2nd

order differential

equations; Taylor

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series, Euler's Method,
Modified Euler's

Method, Runge-Kutta

Method for 1st and 2

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Equations.

**Numerical and
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Bsc. I.T.**

Statistical Methods:

Frequency

distributions, Data

analysis, Expectations

and moments, Co-

relation and

regression, Trend

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analysis, Seasonal
effects, Cyclical
Fluctuation, Moving
average, MSE,

Predictions. Non-
parametric statistics.
Computer-based
resampling techniques.
Confidence intervals
and statistical
significance.

**Maths-IV - Numerical
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Chapter 6 Numerical

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Solution of Ordinary

Differential Equations

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Boundary-Value

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Comparison of Single-

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Methods 480 6.5

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Solution of O.D.E. 480

6.6 Picard's Method of

Successive

Approximations 481

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COMPUTER-BASED NUMERICAL STATISTICAL TECHNIQUES

Descriptive statistics are tabular, graphical, and numerical methods by which essential features of a sample can be described.

Although these same methods can be used to describe entire populations, they are more often applied to samples in order to

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capture population characteristics by inference.

STATISTICAL METHODS

When working with statistics, it's important to recognize the different types of data: numerical (discrete and continuous), categorical, and ordinal. Data are the actual pieces of information that you collect through your

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study. For example, if you ask five of your friends how many pets they own, they might give you the following data: 0, [...]

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(MATLAB refers to

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computer scientists, it
looks at the application
of mathematical tools
to...

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of Statistics - John F.
Monahan - Google ...**

This paper presents a
numerical simulation
method to determine
the surface
morphology
characteristics of

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metallic materials.

First, a surface profiler (NV5000 5022s) was used to measure the surface, and the morphology data thereof were characterized. Second, fractal theory was used to simulate the surface profile for different fractal dimensions D and scale coefficients G , and statistical ...

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