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General guide to the use of the volume

Most of the contributions have been subdivided into the following seven sections.

1. Theoretical Background
briefly collecting the relevant formulae.
 2. Applicability
which sketches the scope of the algorithms.
 3. Formal Parameter List
with a specification of all input, output and exit parameters.
 4. ALGOL Programs
presenting the algorithms in the ALGOL 60 reference language.
 5. Organisational and Notational Details
explaining and commenting on special features, and showing why particular realizations of the formulae have been preferred to others.
 6. Discussion of Numerical Properties
usually referring to a published error analysis of the underlying algorithms.
 7. Test Results and Examples of the Use of the Procedures
giving the solutions obtained on a digital computer to a number of sample problems in order to facilitate the correct use of the procedures.
- In some earlier contributions section 7 above was subdivided into two sections:
7. Examples of the Use of the Procedures.
 8. Test Results.

