

Appendix J

The MATHS menu

The MATHS menu, accessible through the command MATHS (available in the catalog CAT), contains the following sub-menus:



The CMPLX sub-menu

The CMPLX sub-menu contains functions pertinent to operations with complex numbers:



These functions are described in Chapter 4.

The CONSTANTS sub-menu

The CONSTANTS sub-menu provides access to the calculator mathematical constants. These are described in Chapter 3:



The HYPERBOLIC sub-menu

The HYPERBOLIC sub-menu contains the hyperbolic functions and their inverses. These functions are described in Chapter 3.



The INTEGER sub-menu

The INTEGER sub-menu provides functions for manipulating integer numbers and some polynomials. These functions are presented in Chapter 5:



The MODULAR sub-menu

The MODULAR sub-menu provides functions for modular arithmetic with numbers and polynomials. These functions are presented in Chapter 5:



The POLYNOMIAL sub-menu

The POLYNOMIAL sub-menu includes functions for generating and manipulating polynomials. These functions are presented in Chapter 5:



The TESTS sub-menu

The TESTS sub-menu includes relational operators (e.g., $=$, $<$, etc.), logical operators (e.g., AND, OR, etc.), the IFTE function, and the ASSUME and UNASSUME commands.



Relational and logical operators are presented in Chapter 21 in the context of programming the calculator in User RPL language. The IFTE function is introduced in Chapter 3. Functions ASSUME and UNASSUME are presented next, using their CAS help facility entries (see Appendix C).

ASSUME

```
ASSUME:
Assumption on a vari-
able (algebr. version)
ASSUME(X>0)
X>0

See: UNASSUME
EXIT | ECHO | SEE1 | SEE2 | SEE3 | MAIN
```

UNASSUME

```
UNASSUME:
Removes all assump-
tions on a given
variable
UNASSUME(X)
X

See: ASSUME
EXIT | ECHO | SEE1 | SEE2 | SEE3 | MAIN
```