

Exercise 6

PGPLOT, make, COMPLEX – II

(12.01.2026)

Review

1. When a subroutine or function is called, what is correct regarding the list of arguments?
 - Order and number of arguments in the call must usually match the declaration of the procedure.
 - It is not allowed to pass an array.
 - As a subroutine has no return value, at least one argument must be passed via the list.
2. Which special character is allowed in Fortran as part of a *name* (variable, function, ...).
 - (dash)

- _ (underscore)
- * (asterisk)

3. Which Fortran FORMAT statement is correct?
 - `FORMAT '(A100,I4)'`
 - `FORMAT (A100,I)`
 - `FORMAT (A100,I4)`
4. Which declaration of constant is not correct in Fortran?
 - `REAL CONST pi = 3`
 - `PARAMETER (pi = 3)`
 - `REAL, PARAMETER :: pi = 3`

1. Task Mandelbrot set with PGPLOT (8 P)

Modify/extend your program from Exercise 5 task 2, so that you now use PGPLOT to make a picture of the Mandelbrot set.

Again, create an appropriate `Makefile`.