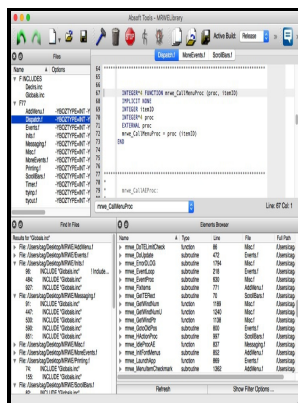


# Problems for computer solutions using FORTRAN

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Notes: Includes index.

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Tags: #Introduction #to #Programming #with #Fortran

## Exercises in Fortran Programming

Scripting is a lot nicer than compile-link-debug-repeat when you're still trying to figure out the problem. I can't speak for other disciplines but in Particle Physics the code migration IS happening on the scale I think.

## CS3911 Introduction to Numerical Methods with Fortran: Course Information Page

Apologies to any mathematically competent computer scientists out there None of that is good programming, is the thing. You might want to investigate the list interface in your language and in some other popular languages for inspiration. The use of COBOL cripples the mind; its teaching should, therefore, be regarded as a criminal offence.

## Numerical Recipes in Fortran

Note: if your programming language does not support arbitrary size numbers, printing all primes up to the largest number you can easily represent is fine too. .

## Computational Physics Sample Programs

You'll have a quintuply nested loop populating an array call `tlbn1` in a function called `abn` that takes 8 arguments named `t1` to `t8`. This means that you never need to declare a subroutine name in a type statement `REAL`, `INTEGER`.

## Simple Programming Problems

. Your best bet, if you want to achieve portability, is to use Intel's Fortran 90 compiler; it is the strictest. This we we discovered that `g77` didn't care for treating `INTEGER` as `LOGICAL`.

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