

FDITE196 Numerical modeling
(digital laboratory practice)
(Dr. József Vinkó)

Description: the topic of this course is the main programming techniques in C language that can be applied in solving physical problems having high computational costs.

Topics:

- Basic programming in C: variables, arrays, cycles, memory management
- solving computation-intensive physical problems in C

Literature:

- Kernighan, B. W., Ritchie, D. M., 1988: "The C programming language", Prentice-Hall Software Series
- Numerical Recipes in C. The Art of Scientific Computing, 2nd Edition, 1992 (szerk: W. H. Press et al.)