

Homework7

Familiarization with the functions of overloading the functions and a operators.

April 2021, Draghici Andreea, CR2.1B

1 Task:

To design and implement a class associated with complex numbers. The class will contains the overloading of the awarding operator, of the main arithmetic operators, as well as the operator \sim for the calculation operation of the module of a complex number.

Of also, the operator \wedge will be overloaded for the operation of picking up a number complex at full power. In addition, the class must put a display function as well and constructors.

The test function will use an array of complex numbers $v = (z_1, z_2, \dots, z_{2*n})$ for the calculation of the expression:

$$z = (z_1^3 + z_3^3 + \dots (z_{2*n-1})^3) / (z_2^4 + z_4^4 + \dots (z_{2*n})^4)$$