Laboratory Class 2

Group 1

Implement a Class to handle multivariate polynomials: differentiates, evaluates and prints multivariate polynomials in a space of *n* dimensions.

Group 2 (see Lecture3.pdf)

Implement the extended interval arithmetic version of the division operator.

Group 3 (see Lecture3.pdf)

Implement a Newton step operator for multivariate polynomials (group 1) that uses the division operator implemented in group 2.

Group 4 (see Lecture3.pdf)

Implement a Newton narrowing operator for multivariate polynomials (group 1) that uses the Newton step operator implemented in group 3.