

Laboratory Class 2

Group 1 (see <http://pr.ssdi.di.fct.unl.pt/1718/web/resources/Lecture3.pdf>)

Implement the extended interval arithmetic version of the division operator.

Group 2

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

Group 3 (see <http://pr.ssdi.di.fct.unl.pt/1718/web/resources/Lecture3.pdf>)

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

Group 4 (see <http://pr.ssdi.di.fct.unl.pt/1718/web/resources/Lecture3.pdf>)

Implement a Newton narrowing operator for multivariate polynomials (group 2) that uses the Newton step operator implemented in group 3.