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A brief introduction to Genetic Programming and Geometric Semantic Genetic Programming

This talk will introduce the attendees to one of the most prominent evolutionary computation methods, genetic programming (GP). GP is a way of evolving expressions, formulae, or even computer programs by means of operations inspired by the Darwinian theory of evolution. A particular kind of GP method, Geometric Semantic GP (GSGP) will also be described, introducing the idea of semantic methods in GP and the study of the geometrical properties of GP operators.