A new algorithm called Continuous Genetic Algorithm (CGA) is proposed for the global optimization of multimodal functions. The CGA is designed to handle multimodal optimization problems by using a combination of genetic operators and local search techniques. The CGA is capable of finding good solutions in complex multimodal landscapes. The CGA has been applied to various multimodal optimization problems and has shown promising results.

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Global Optimization Toolbox provides functions that search for global solutions to problems that contain multiple maxima or minima. Toolboxes support solving unconstrained and constrained nonlinear optimization problems. Problems that the Global Optimization Toolbox can solve include linear programming, quadratic programming, nonlinear optimization, and nonlinear least squares.

What is the difference between multimodal optimization and...