

NUMTA 2023 Special Session on

Advanced numerical methods for global optimization

Special Session Organizers:

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In this session, optimization problems characterized by the objective functions with several local optima (typically, their number is unknown and can be very large) and known as global optimization problems are considered. This kind of functions are encountered in many applications, but the problems related to them often cannot be solved by traditional optimization techniques making strong assumptions about the function (convexity, differentiability, etc.). This explains the growing interest of researchers in developing advanced numerical methods to tackle this challenging class of problems. Related contributions are welcome.