[Quiz-19]

Wheet is Lagrangeein multipliers and com it is needed? The method of Lungsunge multipliers is a strutegy For Finding the local meixima and minime or a function subject to equellity construment The relationship between the gradint of the function and gradients of the constraints scother nuturally leads to a reformulation of the Original problem, known as the Lagrangian Funding The great advantages of this method is that it allows the optimization to be solved without eaplicit parameterization in termy of the constraints. As a result, the method of lagrange multipliers is widely used to solve chcellunging constrained optimization problems, further, the method of Lagrange muetipliers is genralized by the Karruh-Kuhn-Tucker conditions, which can also take into account inequality constraints of the form H(a) (c for a given constraint c