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optimization box volume part 2 optimization profit optimization cost of materials optimization area of triangle square part 1 optimization area of triangle square part 2 optimization motion problems finding the maximum acceleration math optimization noun u uk also optimisation uk ˌɒptɪmɪˈzeɪʃən us ˌɒptɪməˈzeɪʃən the process of making something as good or effective as possible the airline s scheduling optimization comes from the same root as optimal which means best when you optimize something you are making it best but best can vary if you re a football player you might want to

maximize your running yards and also minimize your fumbles both maximizing and minimizing are types of optimization problems the meaning of optimization is an act process or methodology of making something such as a design system or decision as fully perfect functional or effective as possible specifically the mathematical procedures such as finding the maximum of a function involved in this optimization the fact of optimizing making the best of anything the condition of being optimized mathematics a mathematical technique for finding a maximum or minimum value of a function nov 16 2022 in this section we are going to look at optimization problems in optimization problems we are looking for the largest value or the smallest value that a function can take we saw how to solve one kind of optimization problem in the absolute extrema section where we found the largest and smallest value that a function would take on an interval dec 30 2022 optimization also known as mathematical programming collection of mathematical principles and methods used for solving quantitative problems in many

disciplines including physics biology engineering economics and business the subject grew from a realization that quantitative problems in manifestly different disciplines have important high level controllers such as model predictive control mpc or real time optimization rto employ mathematical optimization these algorithms run online and repeatedly determine values for decision variables such as choke openings in a process plant by iteratively solving a mathematical optimization problem including constraints and a model of the system to be 1 to make as perfect or effective as possible 2 computers to increase the computing speed and efficiency of a program as by rewriting instructions 3 to make the most of op ti mi za tion mǐ zā shèn n american heritage dictionary of the english language fifth edition 1 what is optimization optimization problem maximizing or minimizing some function relative to some set often representing a range of choices available in a certain situation the function allows comparison of the different choices for determining which might be best

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