

$$\min_x f_m(x), \quad m = 1, \dots, M$$

subject to:

$$g_j(x) \leq 0, \quad j = 1, \dots, J$$

$$h_k(x) = 0, \quad k = 1, \dots, K$$

$$x_i^L \leq x_i \leq x_i^U, \quad i = 1, \dots, N$$

$$x \in \Omega$$