

RECOMENDAÇÃO: Bases Matemáticas; Funções de Uma variável; Funções de Várias Variáveis; Álgebra Linear

OBJETIVOS:

EMENTA: Estudo de conceitos básicos de jogos, e.g.; forma extensiva, forma normal; estratégias puras e mistas; conceito de equilíbrio de Nash; jogos com soma zero e o teorema minimax; jogos matriciais (programação linear e o teorema fundamental da dualidade); jogos com soma não-zero e não-cooperativos, dilema do prisioneiro e outros exemplos de jogos; barganha de Nash; o teorema de Nash e teoremas de ponto fixo; aplicações em Biologia, Economia, Política e Ética.

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