

61. Zvi Artstein, **Chattering limit for a model of harvesting in a rapidly changing environment.** Applied Mathematics and Optimization 28 (1993), 133-147.

Abstract. An example of harvesting in an environment that changes rapidly and frequently, is examined. The changes are unpredictable yet their statistical distribution is known. The parameters, however, can be measured on line and used in the control policy. We show that then chattering systems adequately serve as nominal systems, optimal solutions of which provide near optimal solutions for the system with rapid changes.

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