

BATCH PLANT OPTIMIZATION. A MICROECONOMICAL POINT OF VIEW

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ABSTRACT

This paper is based in the microeconomic criteria, who searches the maximum benefit condition when analyzed the production capacity (or supply quantity) for the enterprise, in the context of the different market models. In a batch plant, multiproduct or multipurpose type, the application of this maximum condition defines, in optimal sense, a cycle production capacity or a lot size. Another aspect takes into account is the relation between fixed capital investment and production rate, not well considered in the batch plants analysis.