

VORTRAG

Random Yield: A Challenge for Production Planning and Inventory Control

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Abstract:

An overview is given of research in the field of coping with random production yield in production planning and inventory control. Starting point is the description of the specific challenges of this problem area from a practical and theoretical point of view. This includes a characterization of the different types of random yield processes and their mathematical modelling. A survey will be presented describing properties of optimal policies for random yield problems under different problem constellations. Furthermore, the most promising heuristic solution approaches are introduced and some recent research in this field is presented. Finally, various fields for future research in the random yield problem area are specified.