PRINCIPLES CONCERNING THE DEVELOPMENT OF THE OPTIMAL COMPUTER CONTROL SYSTEM FOR A CONTINOUS PROCESS

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The paper outlines the principles of developing an hierarchical multi-level control system of an economic unit with continous technological processes related to an integrated pulp and paper mill. The functions, goals and particular control methods performed within each level in the hierarchical system, relationships between levels as well as the use of computers related to such a system are discussed. The paper makes reference to the goals and the functions performed by an optimal computer control system in a Romanian integrated pulp and paper mill, pointing-out the main economic incentives to be achieved by implementing such a computer control system.

Finally, the paper outlines the main steps necessary for developing and implementing a hierarchical control system which makes use of a hierarchy of computers.