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SIMULATION OF PROCESSES IN PAPERMAKING BY *WinGEMS* SOFTWARE

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Abstract

The WINGEMS software is a useful tool in analyzing, mathematical modeling and synthesis of chemical processes. This software can be applied to simulate various stages of the papermaking process. An example of simulation and modeling of process is presented for paper stock preparation line for papermaking. On the basis of data obtained during process analysis, it is possible to elaborate a strategy for control and monitoring of technological parameters and, while the efficiency of the process can be improved significantly.

Key words: environmental impact, papermaking, paper stock simulation, water

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