DESIGNING THE MODEL OF OPTIMAL OUTPUT PRODUCTION, STORAGE AND DISTRIBUTION UNDER CONDITIONS OF DEMAND HYSTERESIS FUNCTION AND NON-STATIONARY CONSUMER RELATIONSHIP

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When simulating a production activity, in order to take into account the hysteretic character of demand, it is required to solve anew a practically important problem on optimal producing, storing and distributing the production. The problem of optimal output production, storage and distribution under conditions of demand hysteresis function and non-stationary consumer relationship is developed. An algorithm for solution of the corresponding problems is designed.