Coursework on discipline «Applied theory of automatic control» specialty 8.05020202 Computer-integrated technological processes and production Y. Slyusar group HA-51m Subject: "Subsystem control temperature value in the deaerator "

In the course of this work was to study the process of controlling the temperature in the deaerator 2nd circuit during the passage of water chemistry of nuclear power plants with VVER-1000. And:

- Analyzed the physicochemical nature of the processes occurring in the deaerator, certain channels disturbance control channel.

- To calculate the economic impact of the introduction of automation.

- Identification of TOC according to normal operation and received his mod-

- The calculation of the optimal parameters of the PI controller for this TOC.

- Models of closed loop with the controller parameters.

- Models of TOC using simulation program STAR.

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- Tested model using modeling TOC-term program STAR.