

Рис. 3. Схема для розрахунку гістограми

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PERSPECTIVES FOR THE ALTERNATIVE ALTERNATIVE GEREL ENERGIA PERSPECTIVES IN THE STRUCTURE OF ELECTRICAL SUPPLY OF LITAL APARATIV

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The height of the flight has a significant effect on the work of the entire complex of aircraft electrical equipment (LA).

External influences affecting electrical installations can lead to various types of damage, for example, to breakage of wires and windings, especially in their soldering places, to the occurrence of cracks and damage to electrical insulating materials, accelerated wear of axles and bearings in actuators, deviations from normal operation of spring and moving elements of electric vehicles.

The tactical and technical requirements for the equipment of aircraft, designed taking into account the conditions of operation of the electrical equipment and its purpose include the following indicators: reliability and reliability, requirements for mass and dimensions, strength of electrical equipment, chemical resistance of electrical equipment, ease of operation and repair of electrical equipment, economic requirements [1].

Meanwhile, from the generators all the electronics are powered on board the aircraft, so if the generators stop working, then all the equipment of the electric power supply of the aircraft will be discharged. In this case, in some types of aircraft, manufacturers install retractable wind power plants that produce current due to the fact that the winder wheel spins under the action of a counterflow of air on the blade, which makes it possible at least to monitor the critical technical parameters of the state of equipment and aircraft systems.

In the meantime, one of the promising alternative sources of electric energy in the LA is solar panels (SBs). Taking into account the fact that the SBs have been used in cosmonautics, which occupy a dominant position among other sources of autonomous power supply, we can talk about the further active their introduction into the systems of primary emergency power supply of airborne aircraft complexes as additional sources of electric energy.

Given the application of nanotechnology in the production of CB, there is a prospect of increasing the efficiency of their functioning and at the same time, a significant reduction in their cost.

Thus, it has been established that the introduction of alternative sources of electric energy into the air supply system is taking place, however, the issue of introducing them into the structure of the primary emergency power supply of airborne aircraft complexes remains promising and up-to-date.

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