

Annotation

This graduation project work was done with title "Transformer's design with reduced insulation material". Consists as following: main section, thermal disgin section, special section, life safty and economical section.

Basic electric values and magnetic systems were calculated for there rolls transformer in the main section.

Thermal calculations, cooling methods and tank geometry was calculated in the thermal desing section.

Distance reduced isolation transformer was calculated and given its charectration in the special section.

Grounding transformer calculations were shown in the life saty section.

Economic effectiveness of adding there rolls transformer to transformer substation was presented in section economical section.