

Zdravko Andonov
Slobodan Mircevski
Electrotechnical Faculty – Skopje

ERROR OCCURENCE AT ELECTRIC DRIVES AND POSSIBILITIES FOR THEIR DETECTION

ABSTRACT

In the developed countries, electric drives spent about 60 % of produced electric energy. The continuous drive work is essential for the high profitability. There is variety of causes for electric drive faults. The electric drives faults can be detected with a usage of different measurement techniques, generally classified in two categories: on-line and off-line measurements. The implementation of these techniques, faults can be detected in the early stage and the estimation of the damage, its influence on the drive and stop time can be done. A review of possible electric drives faults and the detection techniques will be present.

Keywords: electric drives faults, diagnostics, fault detection.