

BULETINUL INSTITUTULUI POLITEHNIC DIN IAȘI
TOMUL LIV (LVIII), FASC. 3, 2008
ELECTROTEHNICĂ, ENERGETICĂ, ELECTRONICĂ

THE CALCULATION OF SHORT CIRCUIT CURRENTS AND MATLAB/SIMULINK SIMULATION FOR AN INDUSTRIAL CONSUMER

BY

*** M. HORGOS, *L. PETREAN, *L. NEAMT and *O. CHIVER**

Abstract. Short circuits between the phases of a network or between a phase and ground are unwanted and aleatory events. The current of short circuit must be determined for each level in the installation in order to determine the equipment's characteristics which should stand the corresponding soliciting. The paper presents the calculation of the short circuit currents in different points of the supplying scheme for an industrial consumer.

Keywords: short circuit currents, Simulink modelling.