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## SWITCHING LOSSES AND PROTECTION OF THE TROLLEYBUS DC TRACTION SDMC-103 ELECTRONIC EQUIPMENT

BY

**\*I. NUCĂ, \*\*I. RÂMBU and \*\*V. MIHALACHE**

**Abstract.** The paper presents some aspects of the switching losses and the protection of the semiconductor device of the DC compound motor trolleybus's chopper. Here are brought the experimental curves of the chopper's IGBT transistor's voltage and current. The switching losses and the protection circuit's elements needed for the practical elaboration of the SDMC-103 electronic equipment.

**Keywords:** trolleybus traction, DC compound motor, electronic equipment, chopper.