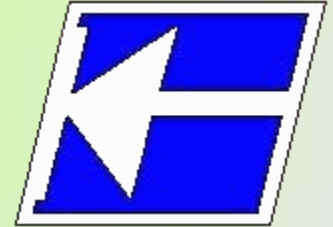


Centro Federal de Educação Tecnológica de Santa Catarina
Departamento Acadêmico de Eletrônica
Conversores Estáticos



Conversores CA-CC e CC-CC
Laboratório de Conversores CA-CC e CC-CC

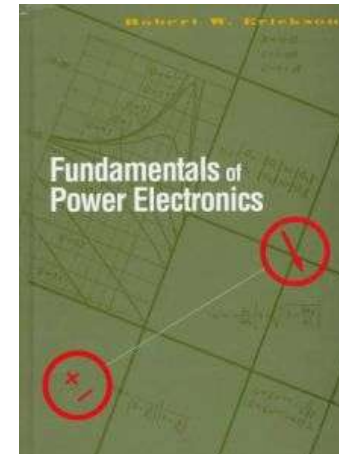
Prof. Clóvis Antônio Petry.

Florianópolis, novembro de 2008.

Bibliografia para esta aula

Conversores CA-CC e CC-CC

1. Laboratório de conversores CA-CC e CC-CC.

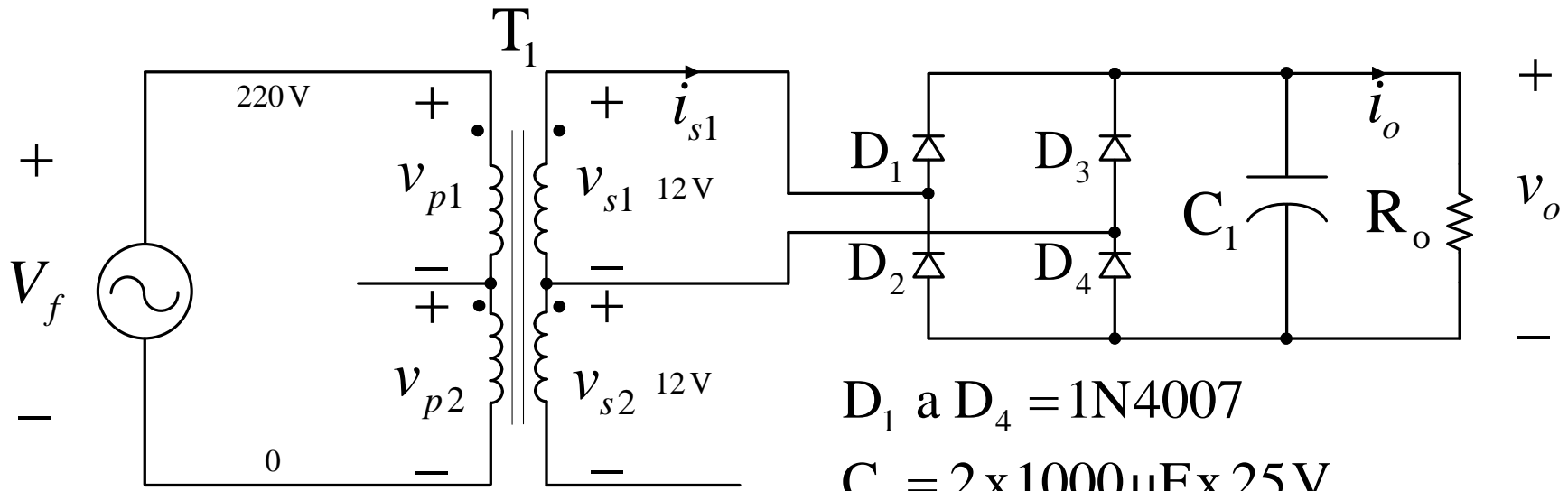


Nesta aula

Laboratório de Conversores CA-CC e CC-CC:

1. Conversores CA-CC;
2. Regulador linear;
3. Regulador chaveado.

Conversor CA-CC

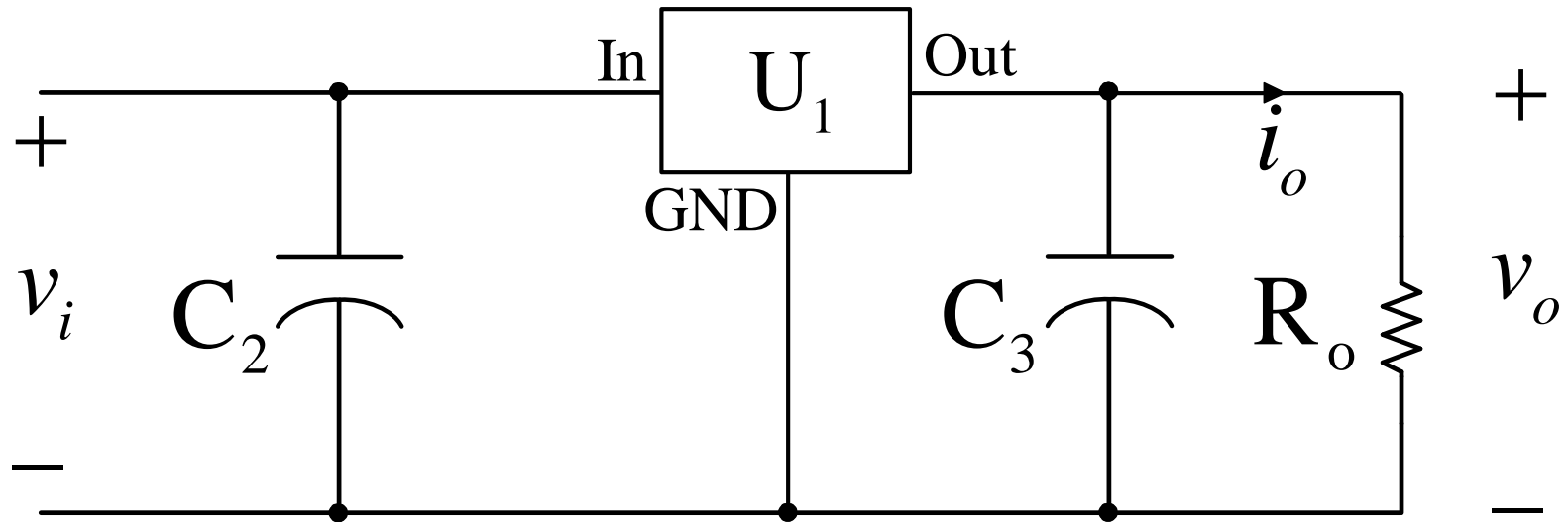


D_1 a $D_4 = 1N4007$

$C_1 = 2 \times 1000 \mu\text{F} \times 25 \text{ V}$

$R_o = 27 \Omega \times 25 \text{ W}$

Regulador Linear

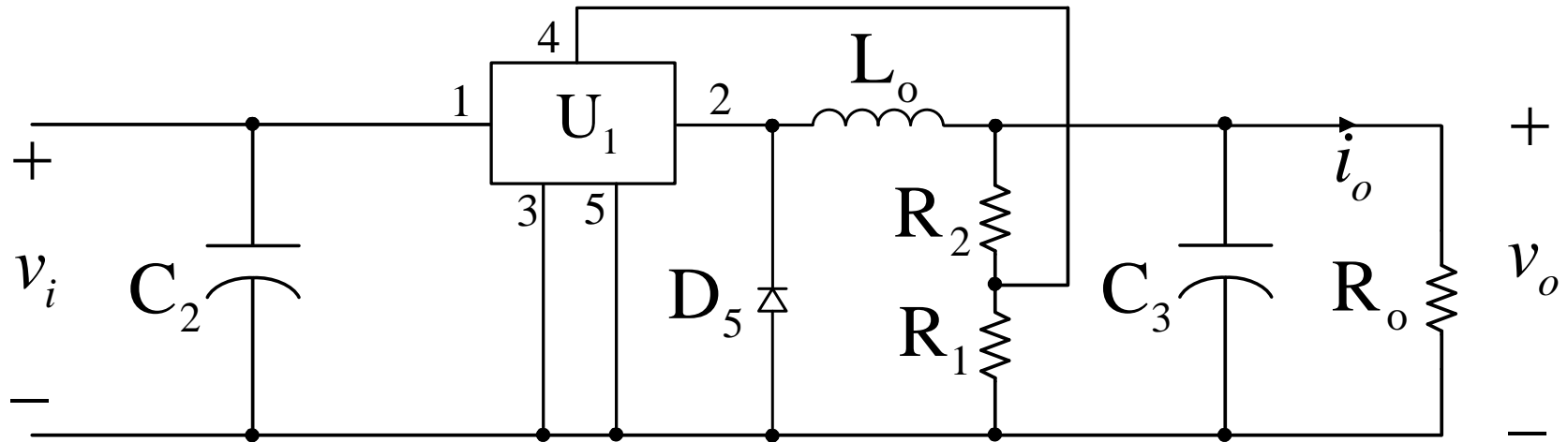


$$C_2 = C_3 = 1\mu\text{F} \times 50\text{V}$$

$$U_1 = \text{LM7805}$$

$$R_o = 10\Omega \times 25\text{W}$$

Regulador Chaveado



$$C_2 = 1\mu\text{F} \times 50\text{ V}$$

$$U_1 = \text{LM2575}$$

$$R_o = 10\Omega \times 25\text{ W}$$

$$R_1 = 1\text{k}\Omega$$

$$C_3 = 1000\mu\text{F} \times 25\text{ V}$$

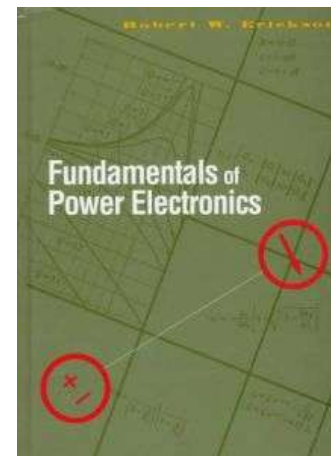
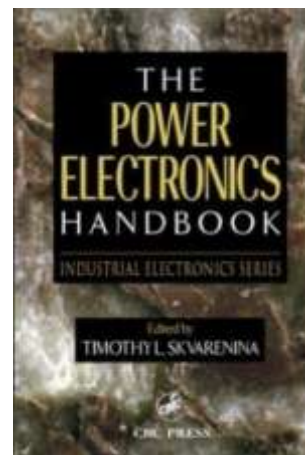
$$L_o = 120\mu\text{H}$$

$$R_2 = 3\text{k}\Omega$$

Próxima aula

Capítulo 9: Choppers DC

1. Fontes chaveadas.



www.cefetsc.edu.br/~petry