

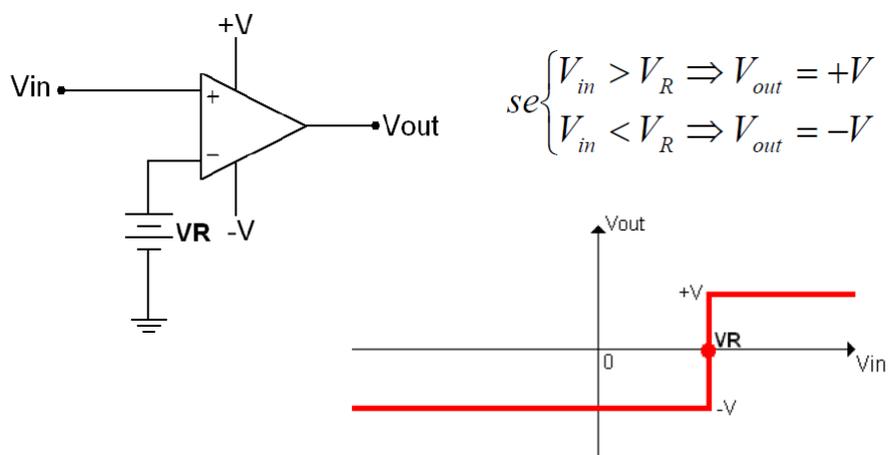
EE 530 Eletrônica Básica I

AMPLIFICADOR OPERACIONAL

Prof. Pedro Xavier

Comparadores

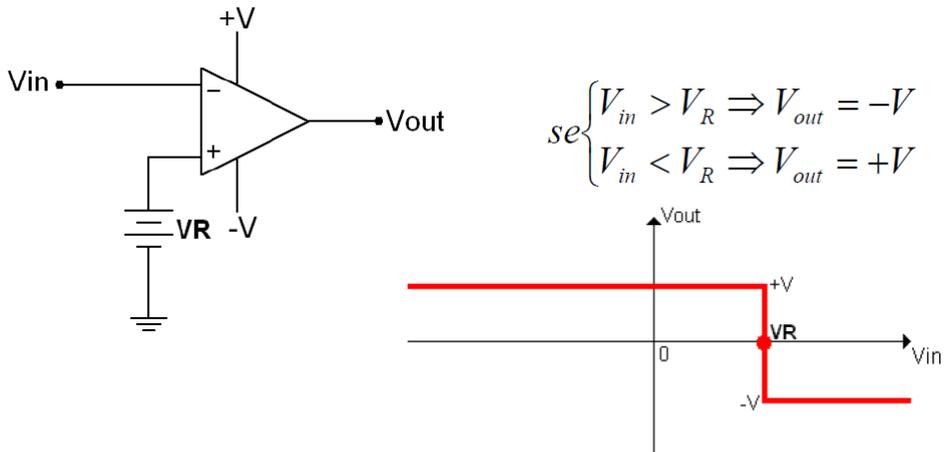
- Comparador não inversor



Fonte: Prof. Marcelo Wendling-UNESP

Comparadores

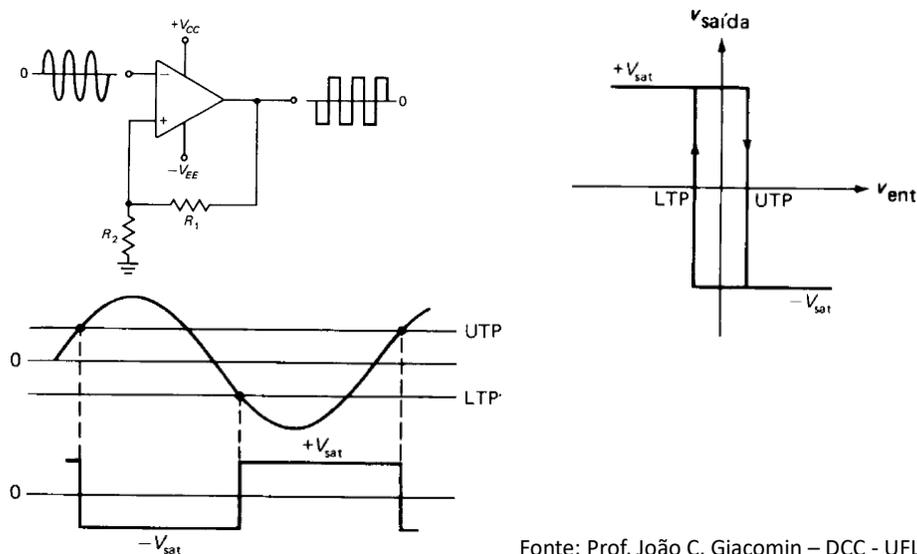
- Comparador inversor



Fonte: Prof. Marcelo Wendling-UNESP

Comparadores

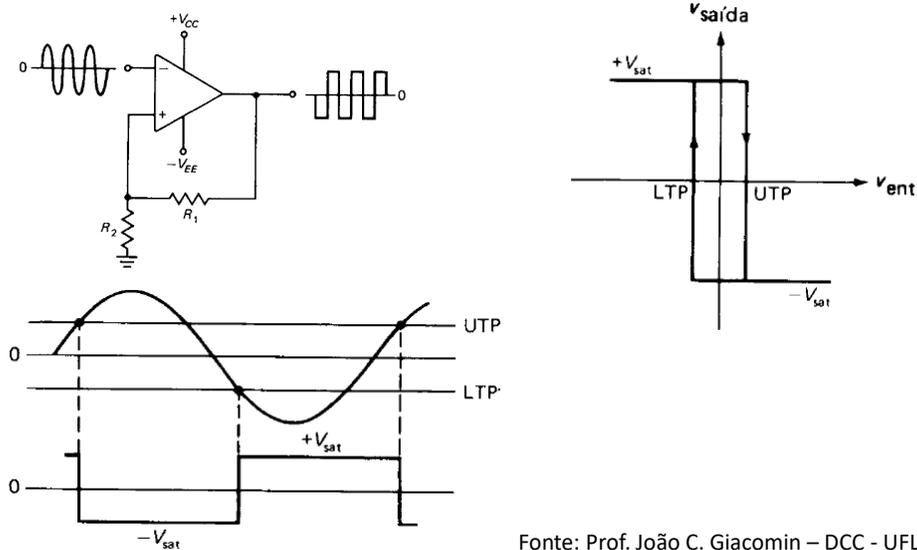
- Comparador com histerese (Schmitt Trigger)



Fonte: Prof. João C. Giacomini – DCC - UFPA

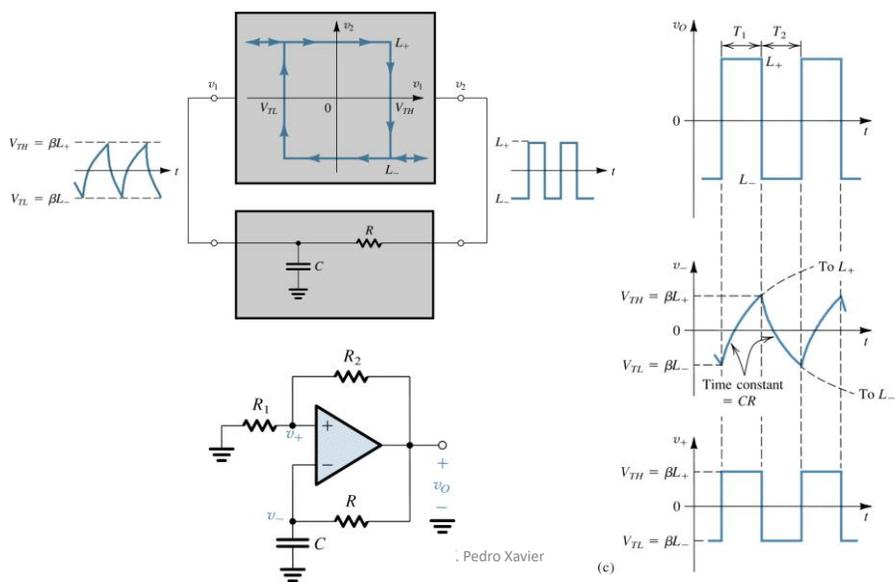
Comparadores

- Comparador com histerese (Schmitt Trigger)



Fonte: Prof. João C. Giacomin – DCC - UFLA

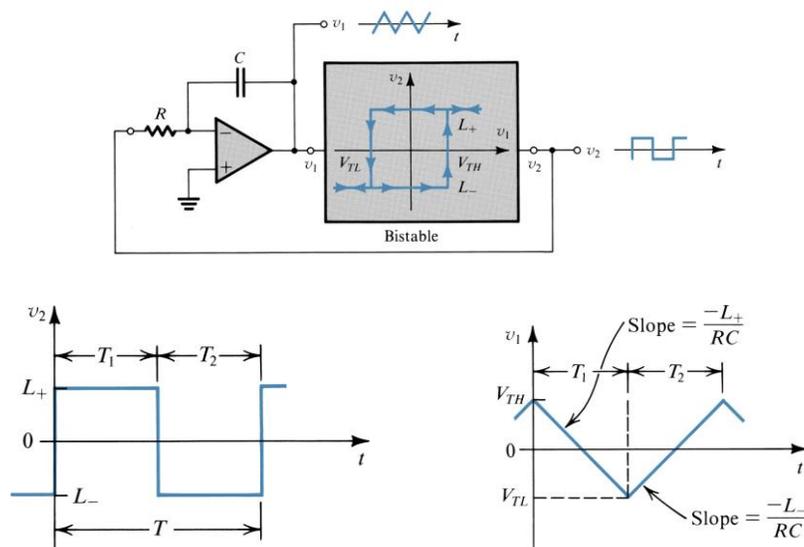
Multivibrador Astável (onda quadrada)



: Pedro Xavier

(c)

Gerador de forma de onda triangular

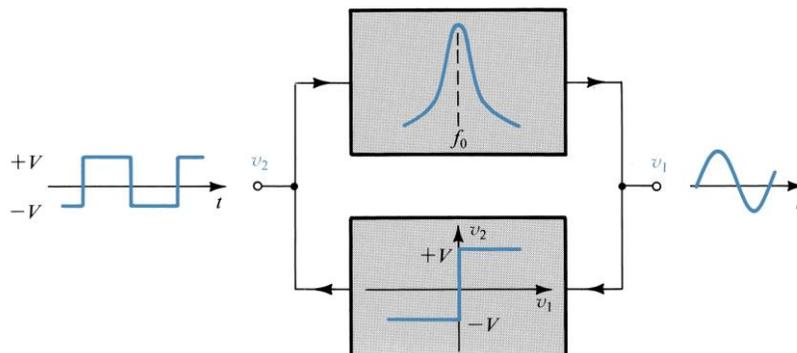


Gerador de forma de onda triangular

Fazer exercícios 13.18 do Sedra(5ª Ed.)

Para casa

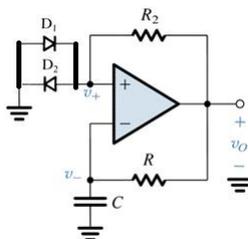
Oscilador com filtro ativo sintonizado



Prof. Pedro Xavier

Multivibrador Astável (onda quadrada)

- Fazer exercícios 13.16 e 13.17 do Sedra(5ª Ed.)
- Como a f_{osc} varia com a temperatura? $V_D=0,7V$ a $25\text{ }^\circ C$ e $\alpha=-2mV/^\circ C$. **Entregar**



Prof. Pedro Xavier

Fontes de figuras da aula

- Aula do prof. Fabiano Fruett
- Microeletrônica (Sedra)

Prof. Pedro Xavier

Sugestão de estudo

- Sedra/Smith, cap. 13
- Savant, cap. 11.11

Prof. Pedro Xavier