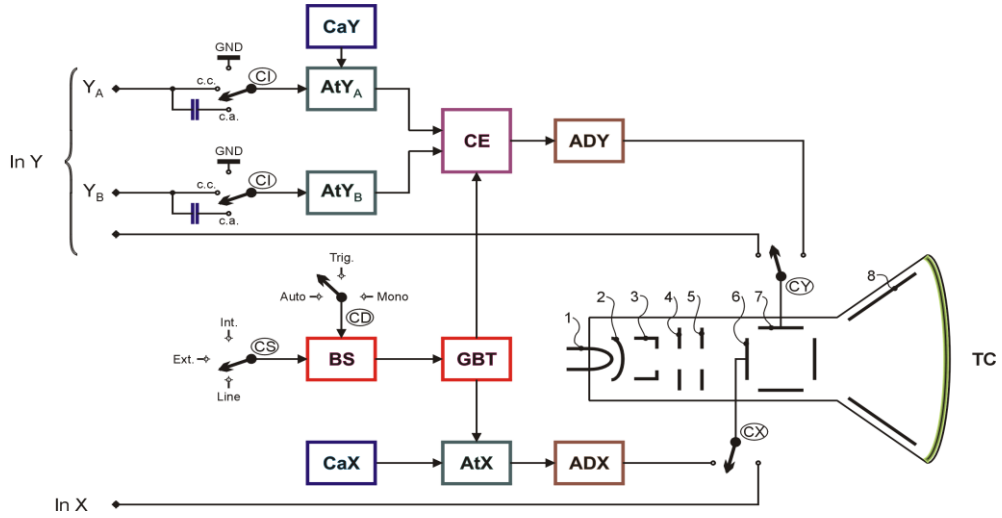
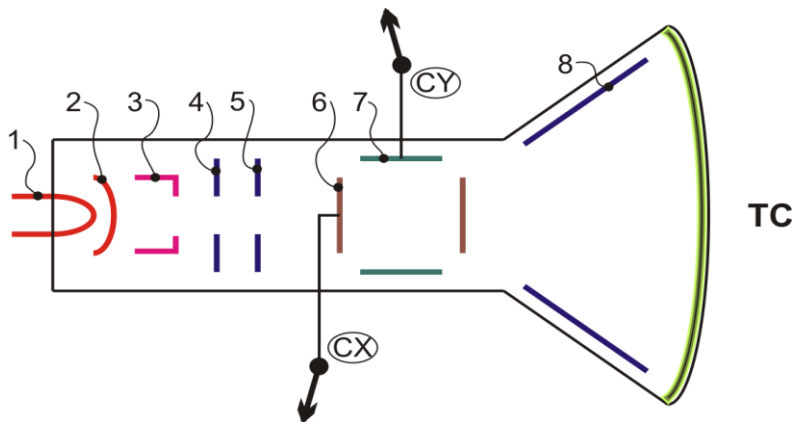


## Osciloscopul



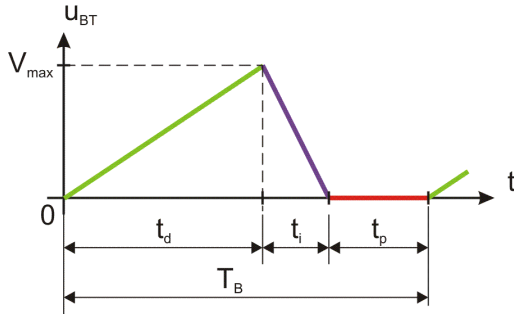
Osciloscopul analogic cu o baza de timp – schema bloc

## Osciloscopul – tubul catodic



Osciloscopul analogic cu o baza de timp – tubul catodic

## Generatorul bazei de timp



Tensiunea bazei de timp

$t_d$ : timpul cursei directe

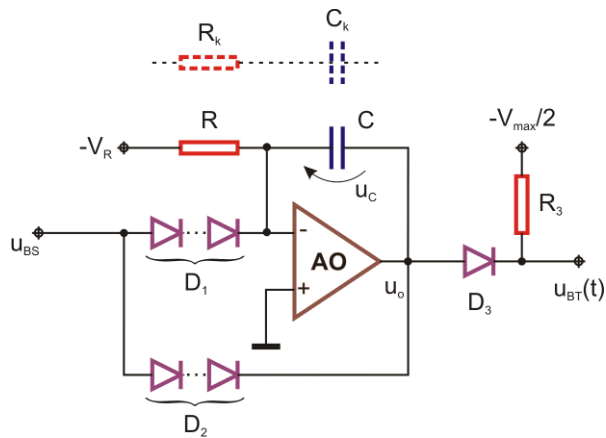
$t_i$ : timpul cursei inverse

$t_p$ : timp de pauza

$T_B$ : perioada bazei de timp

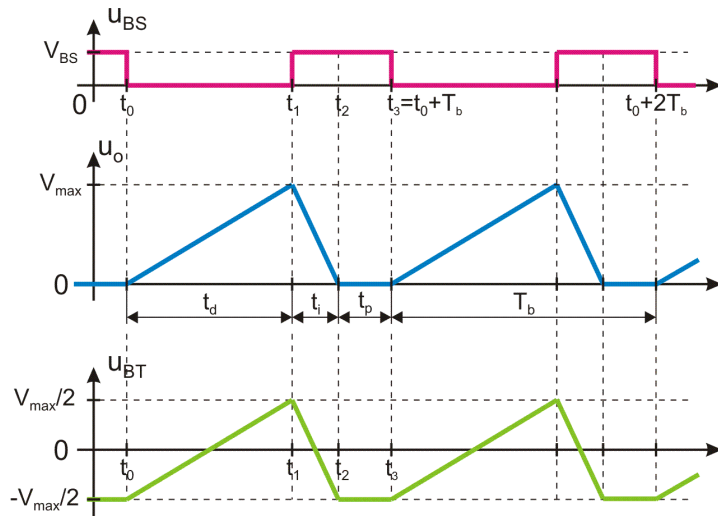
$$T_B = t_d + t_i + t_p$$

## Generatorul bazei de timp



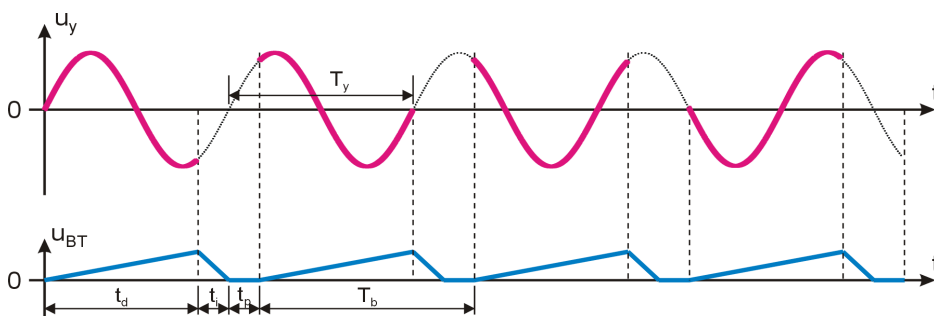
Integrator Miller

## Generatorul bazei de timp



Integrator Miller – diagrame de tensiune

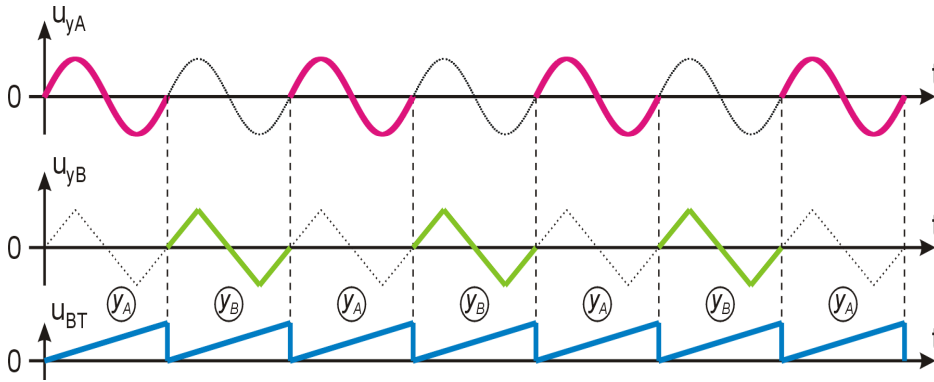
## Bloc de sincronizare - BS



- Stabilitatea imaginii pe ecran:

$$f_b = \frac{1}{T_b} = \frac{f_y}{n}$$

## Comutatorul electronic: modul alternat



## Comutatorul electronic: modul comutat

