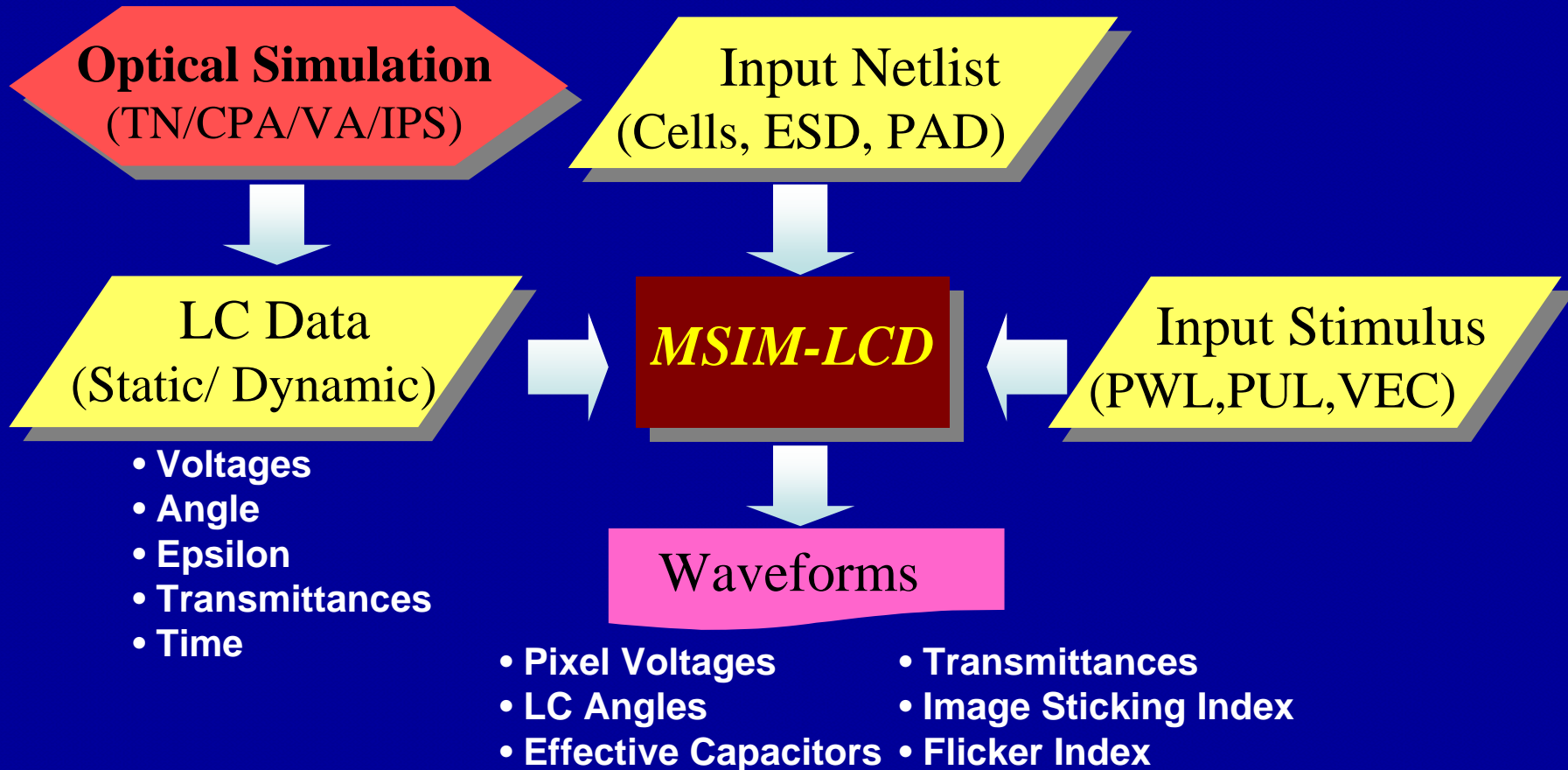
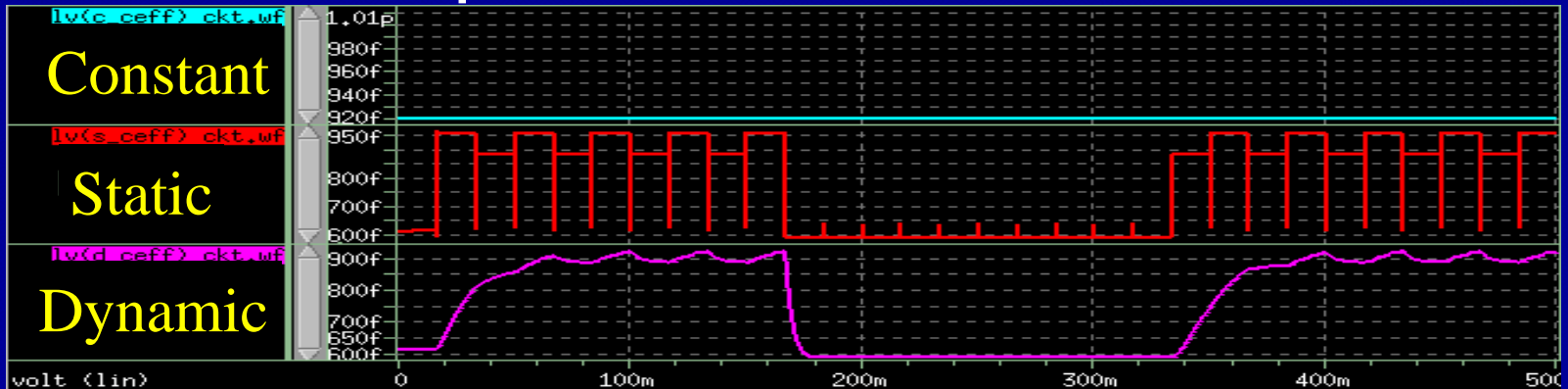


# LC Optical Co-Simulation Flow

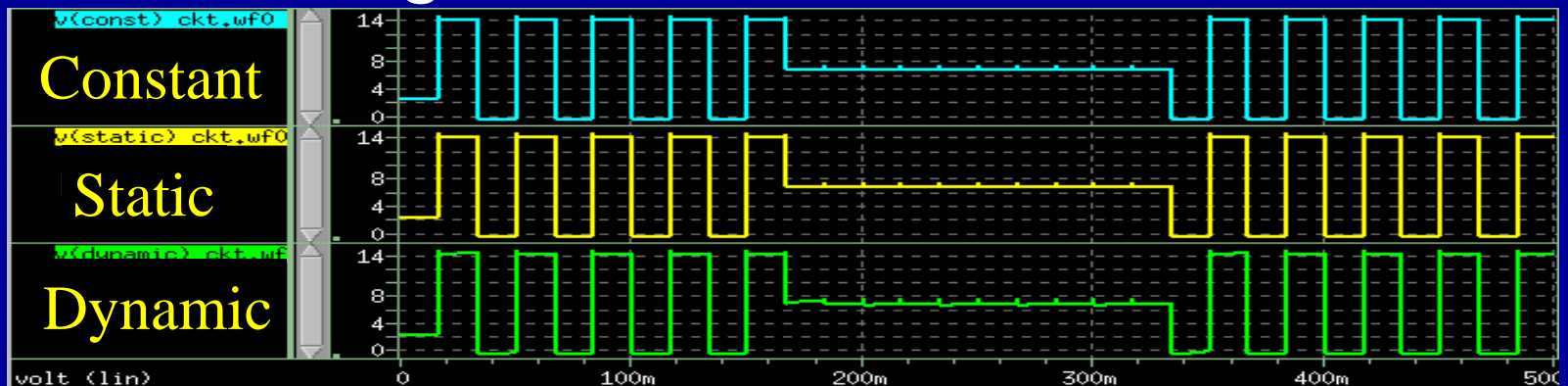


# LC Co-Simulation Results

## ◆ Effective Capacitor



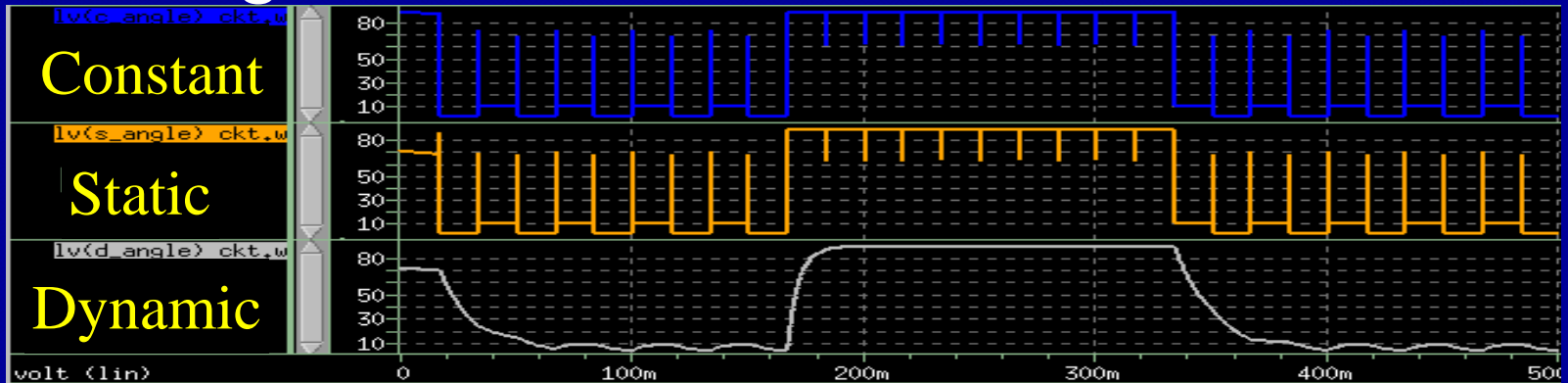
## ◆ Pixel Voltage



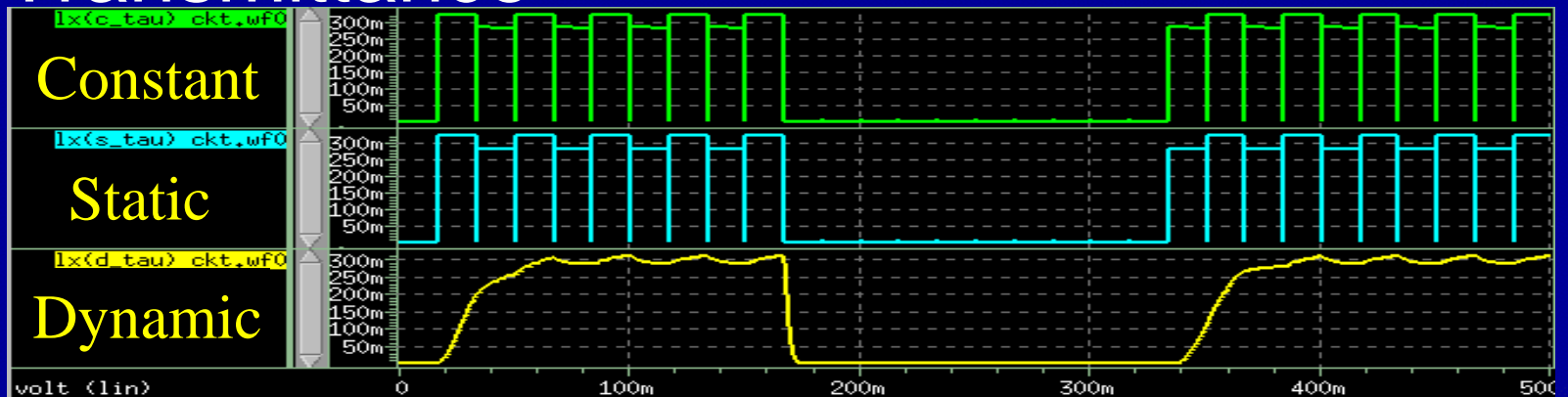
\* The performance of the pixel is hard to judge by checking pixel voltage

# LC Co-Simulation Results

## ◆ LC Angle



## ◆ Transmittance



\* Obvious difference between dynamic, static and constant model

# The Advantages

## Dynamic Clc Model vs Static Clc Model

The advantages of “Dynamic LC” model are

- ◆ The transmittance changing corresponding to slow LC movement can be correctly simulated.
- ◆ The rising and falling speed of LC can be checked with the transmittance waveform.
- ◆ The flicker conditions can be detected by analyzing the amplitude of the transmittance oscillation which is required to keep steady.