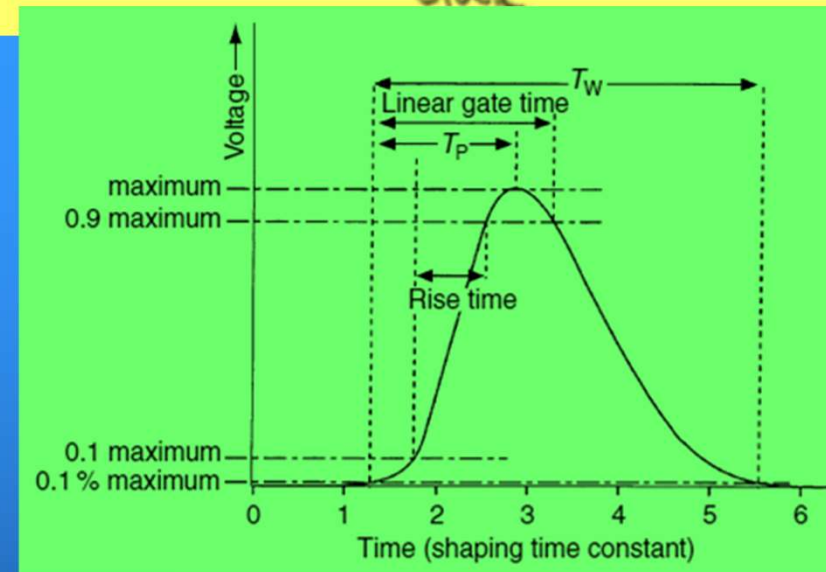
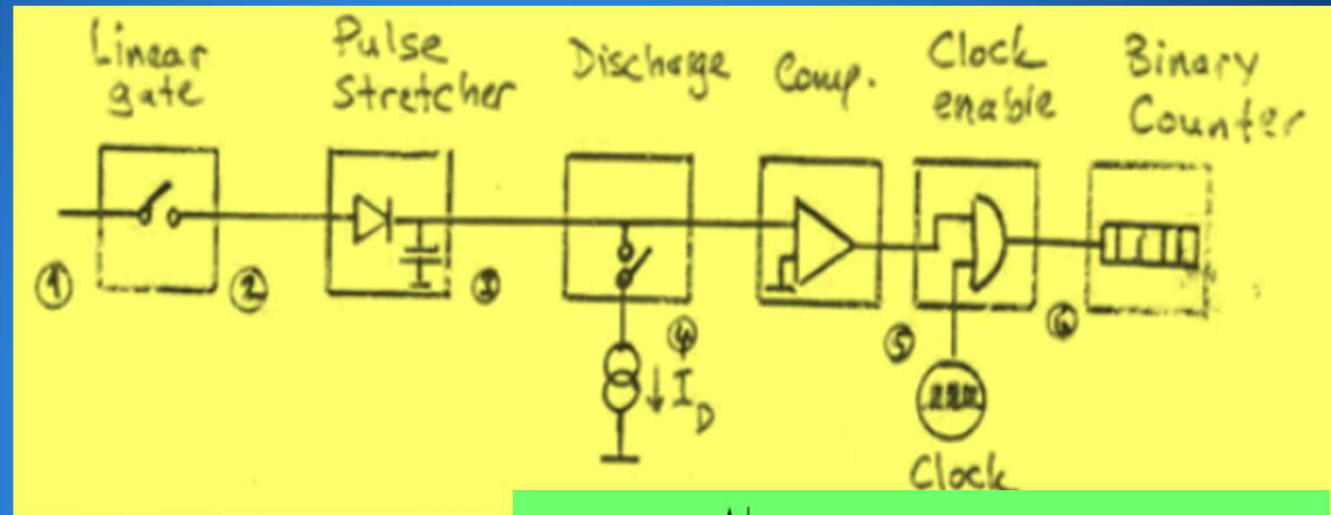


Analog Sinyali-Sayısal Dönüştürücüler(ADC) Analog-to-Digital Converter



ADC TIPLERİ

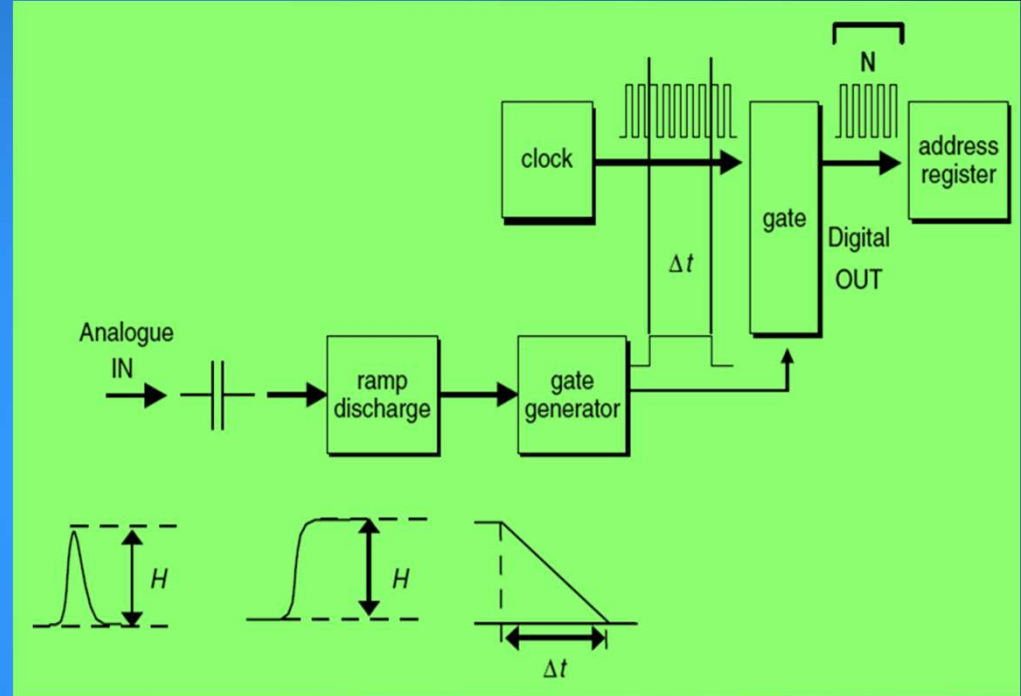


Yavaş (slow) ADC Hızlı (fast) ADC

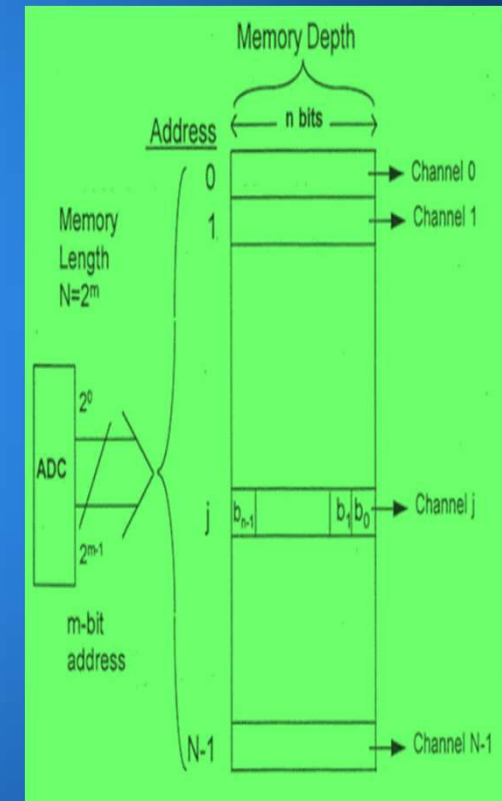
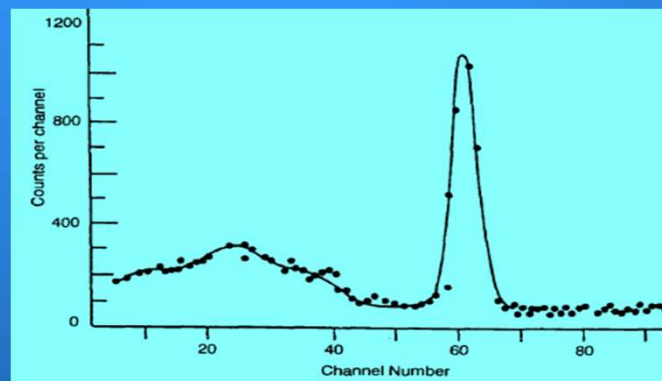
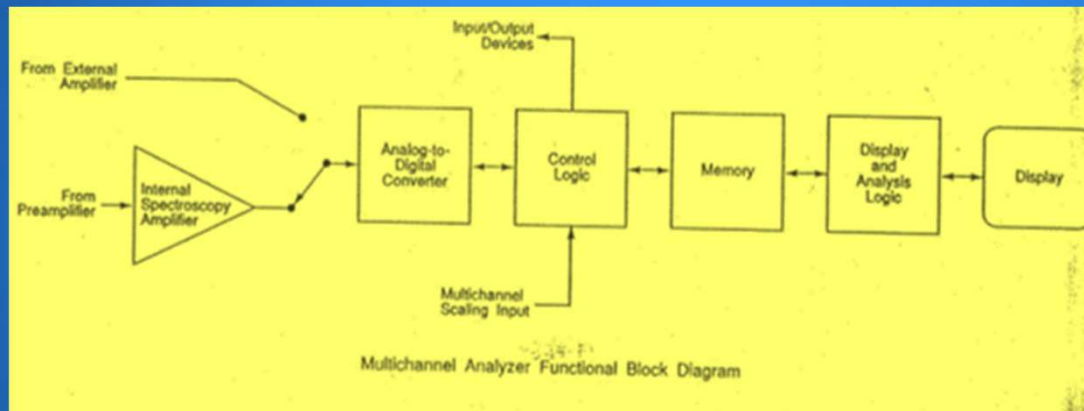
- ✓ Wilkinson tipi ADC (En yaygını 100 MHz, 8K kanal ayırma güçlü, nispeten yavaştır-slow ADC)
- ✓ 8 μ s Successive ADC (8K veya 16 K kanal ayırma güçlü)
- ✓ 6 μ s Fixed Dead Time ADC (16 K kanal ayırma güçlü, hızlı dönüştürme zamanı(< 6 μ s))
- ✓ 900 ns Fixed Dead Time ADC (8 K kanal ayırma güçlü, ultra-hızlı dönüştürme zamanı(< 0.8 μ s))

ADC- 100 MHz Wilkinson Type

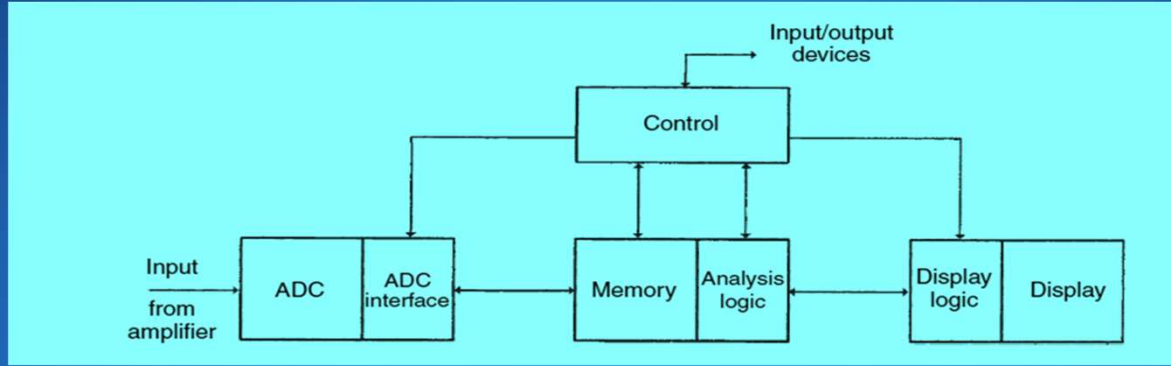
- ✓ 8K=8192 kanal ayırma gücü
- ✓ 100 MHz hızı
- ✓ DIFF non-linearity $< \pm 0,7\%$
- ✓ INT non-linearity $< \pm 0,025\%$
- ✓ Otomatik pik algılama
- ✓ PUR/Live Time Correction arayüzlere sahip



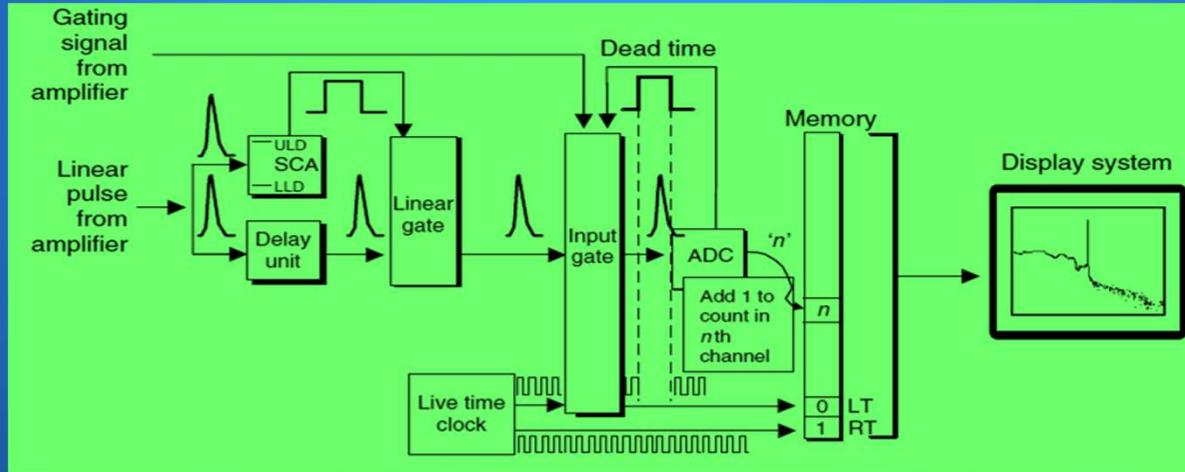
ÇOK KANALLI ANALİZÖR (MCA) Multichannel Analyzer



ÇOK KANALLI ANALİZÖR (MCA) Multichannel Analyzer



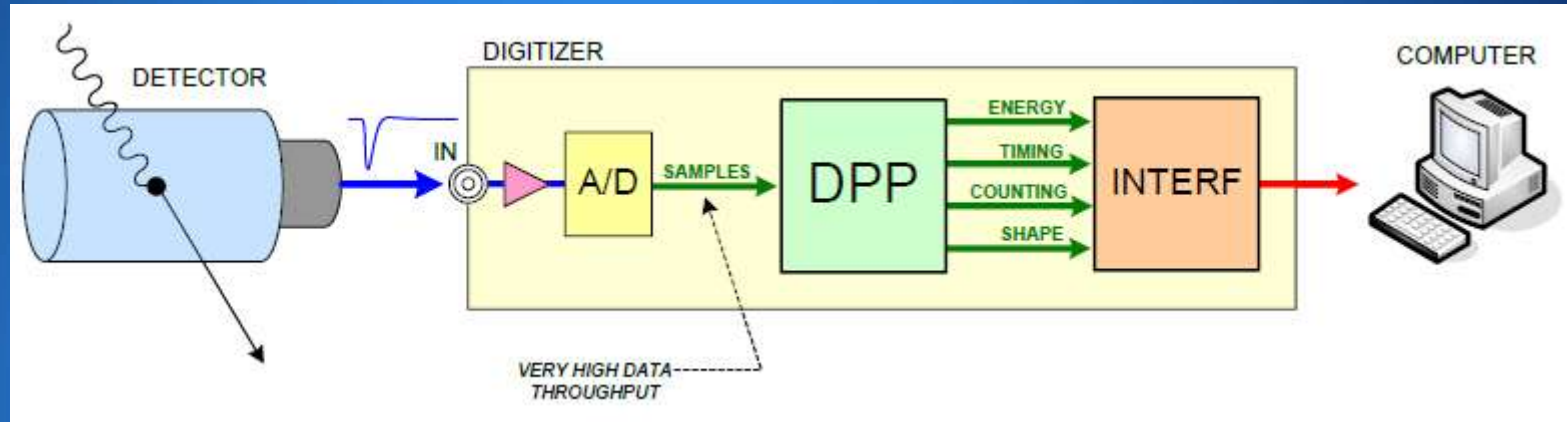
MCA'nın fonksiyonel blok diyagramı



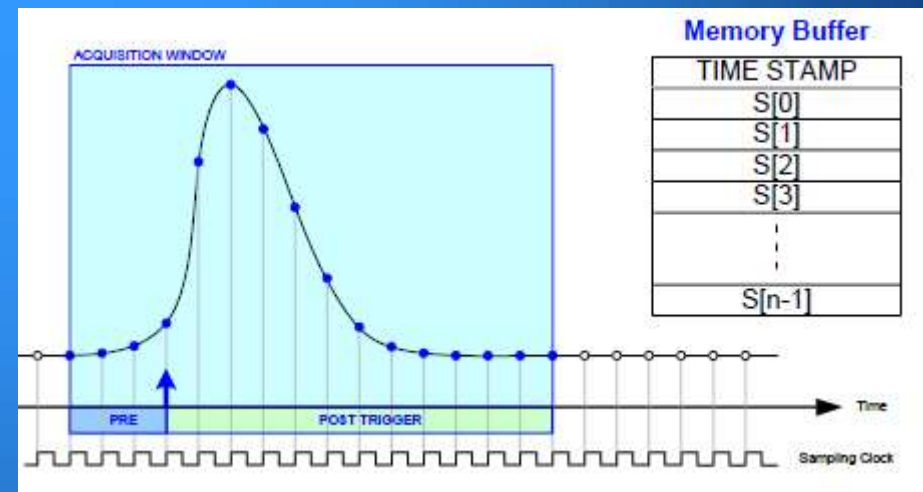
MCA'nın çalışma prensibi

Dijital Analizörler

Digital Pulse Processing (DPP)



Ölü zaman olmaksızın puls işleme ve toplama(dead-timeless acquisition) imkanı sağlıyor



Sorularınız.

<http://www.nukbilimler.ankara.edu.tr/>