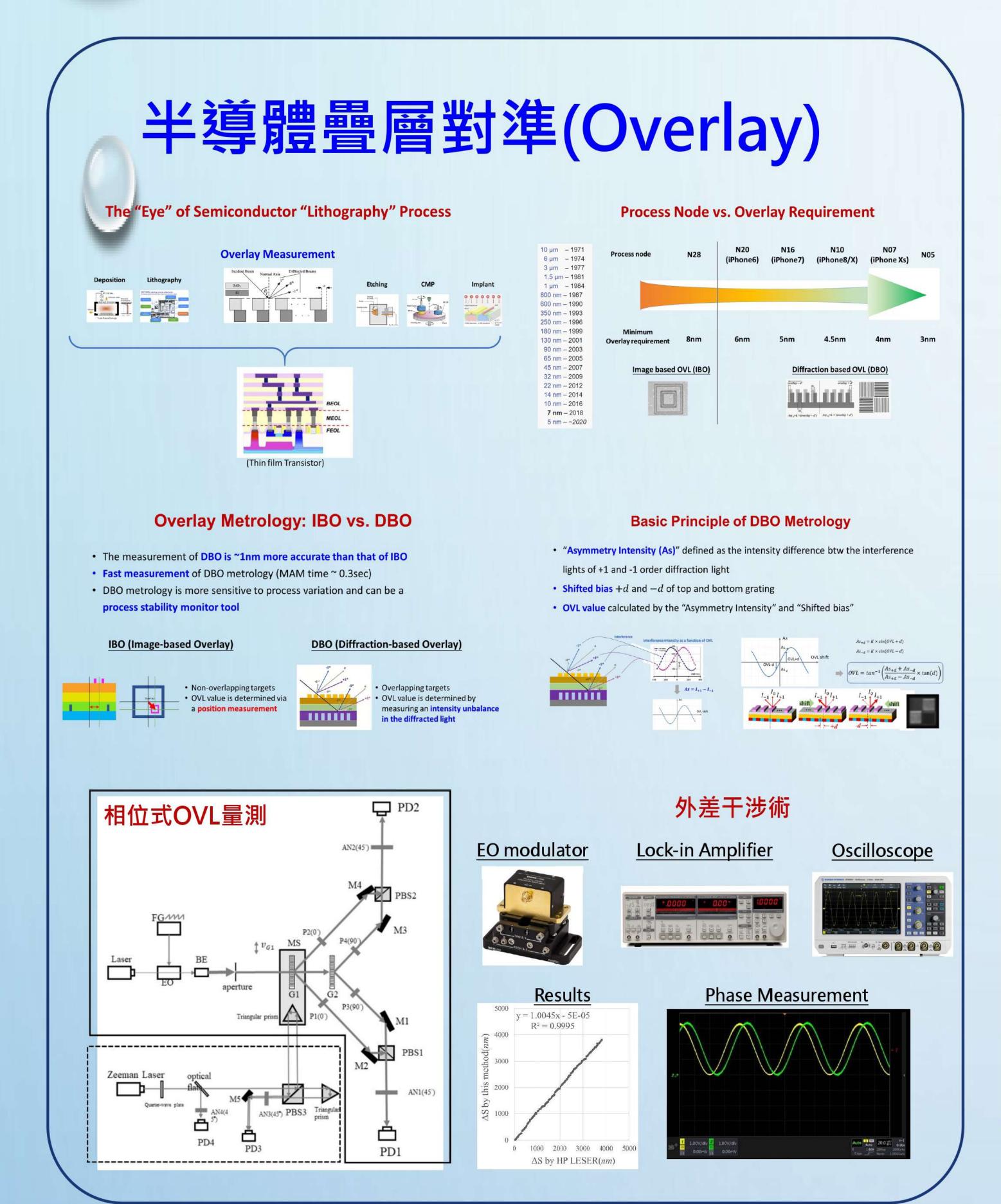
# 先進量測暨科學計算研究室



指導老師: 謝鴻志





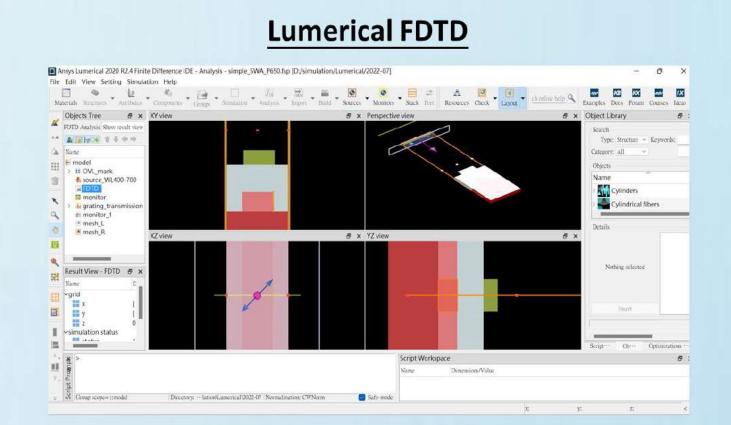


## 科學計算工作站

#### **OVL** simulation workstation Setup

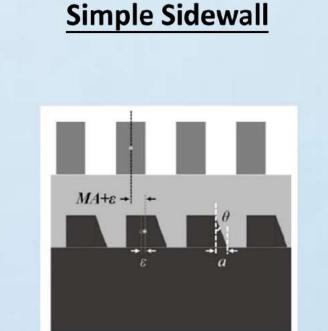
- Simulation software: Finite-difference time-domain (FDTD)
  - A numerical analysis technique used for modeling computational electrodynamics
- Finding approximate solutions to the associated system of differential equations
- Workstation: Lenovo P920

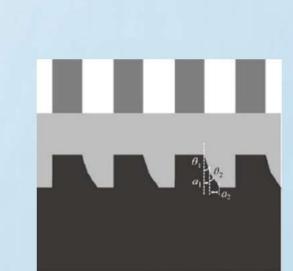




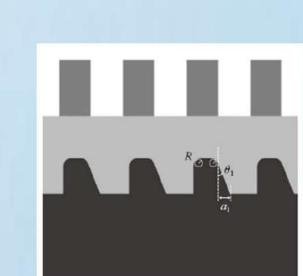
#### **Structures for OVL Error Simulation**

- 4 asymmetric OVL target structures for OVL error simulation
- Asymmetric bottom grating due to the loading effect of etch and CMP processes

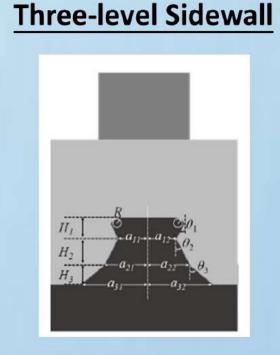




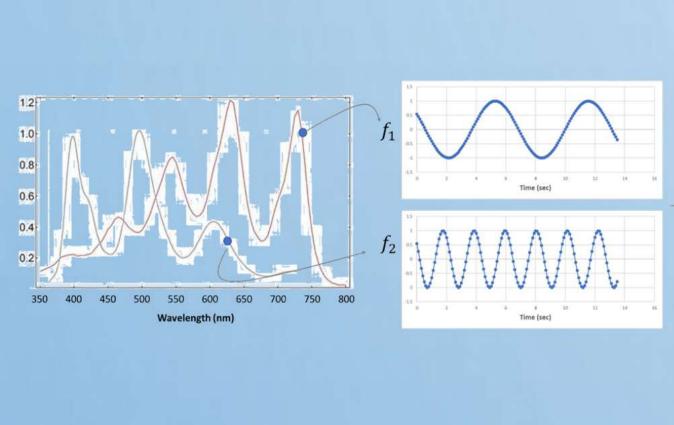
**Two-level Sidewall** 

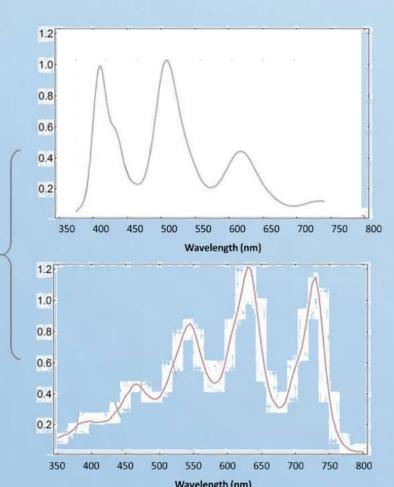


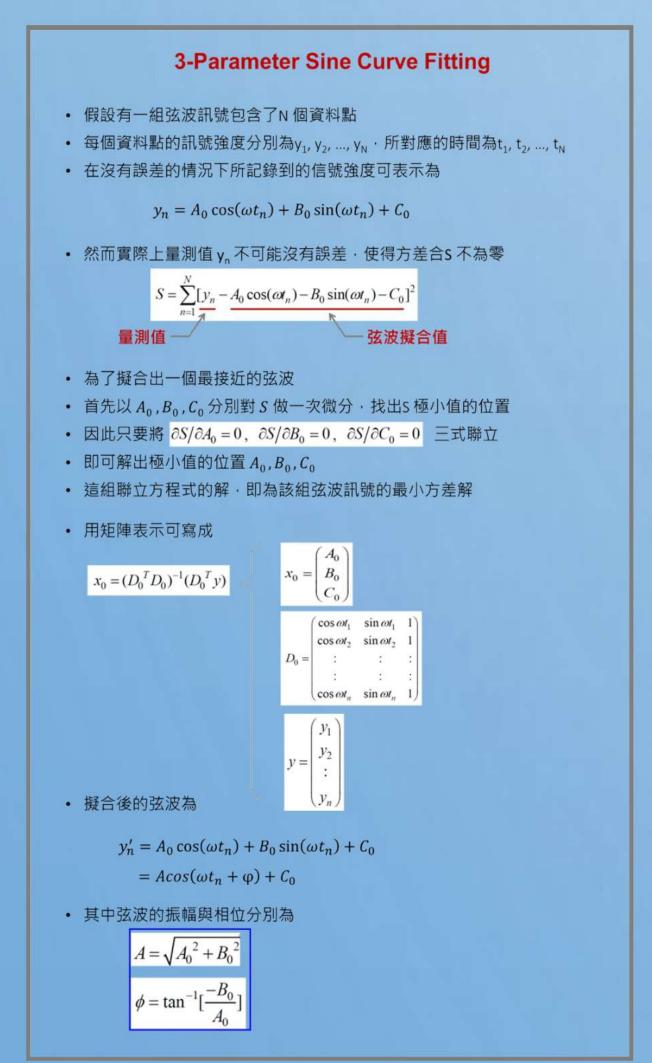
Round corner

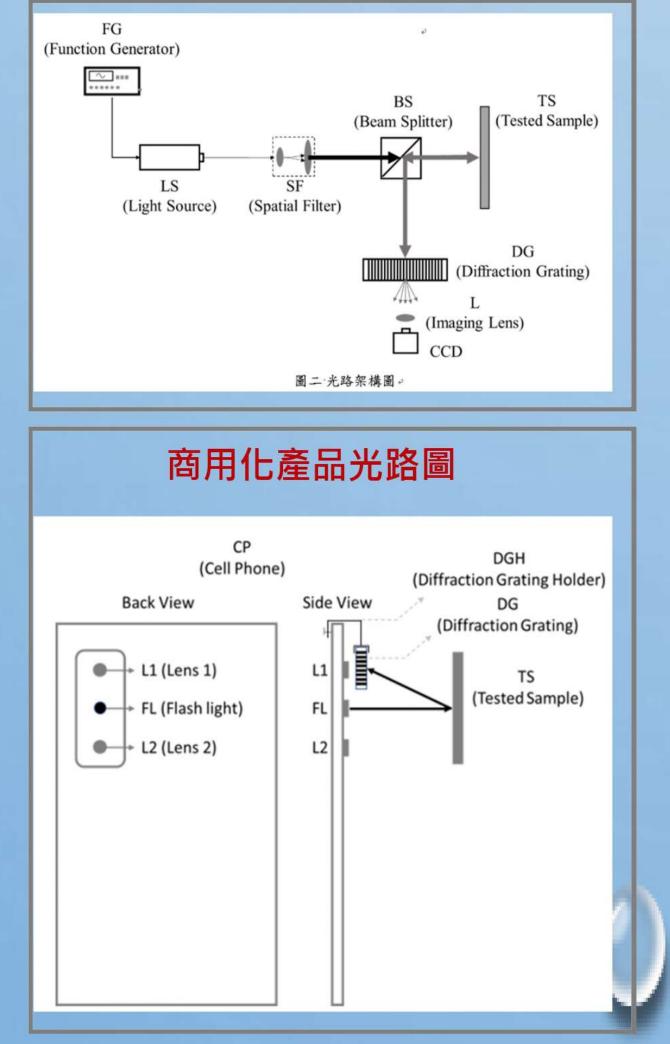


## 調制光譜分離術









### 新穎光源技術開發

