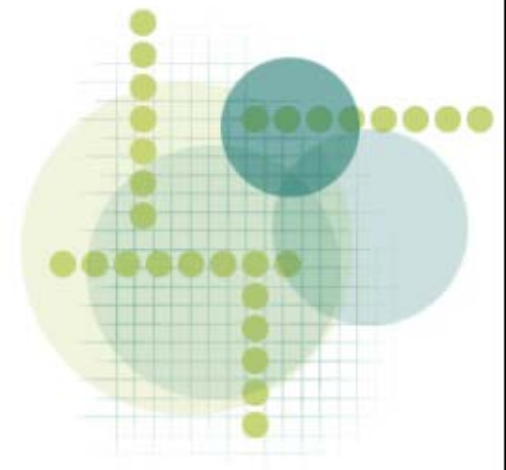


MTF

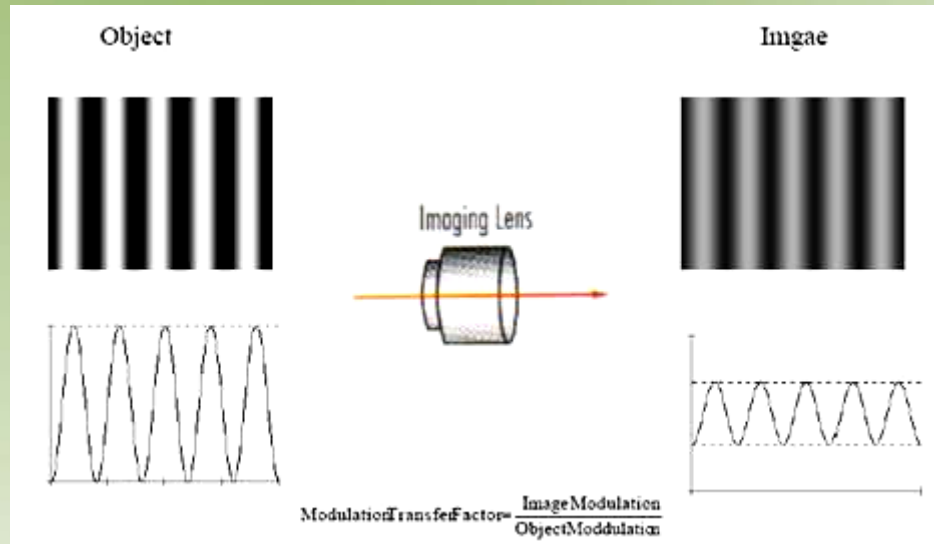
檢測之研究

指導老師：林宸生

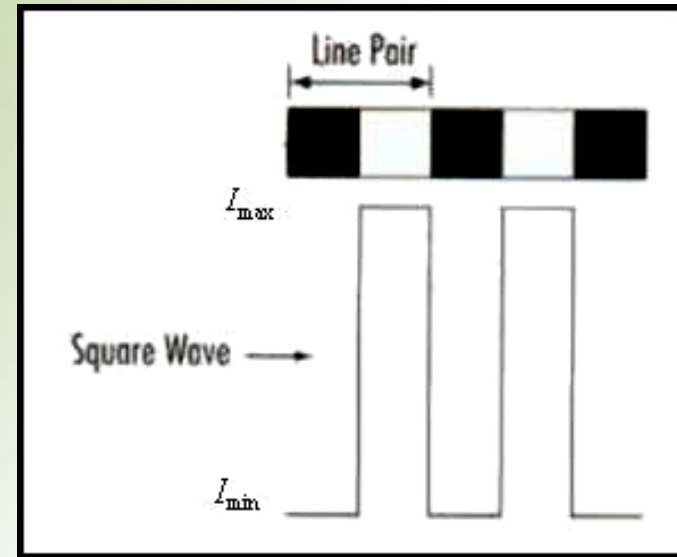
學生：何振維、吳俊旻、韋子祈



像質評價(1)



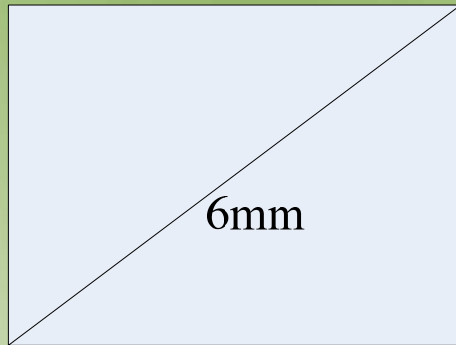
影像輸出入關係圖



Line Pair影像



像質評價

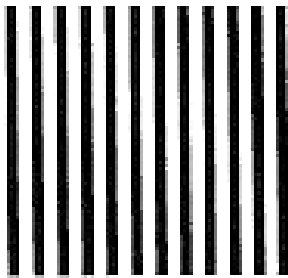


3.6mm

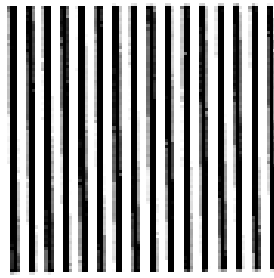
4.8mm

CCD感測晶片

$$\frac{\text{條紋數目}(lines)}{\text{感測晶片大小}(mm)} = \text{空間頻率}(lines/mm)$$



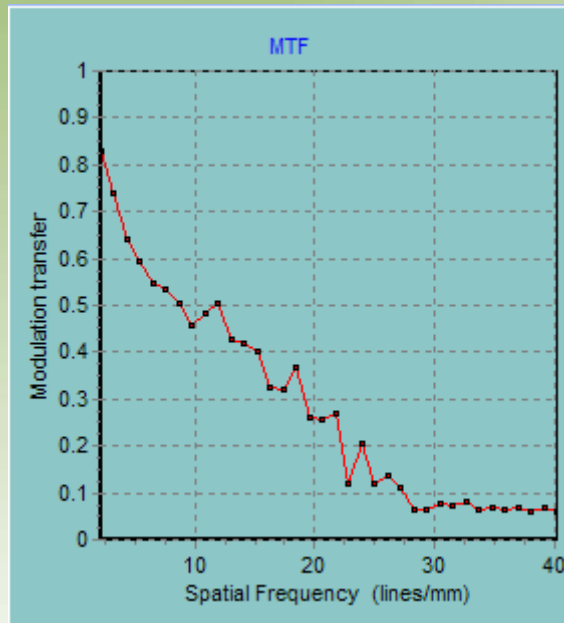
空間頻率小



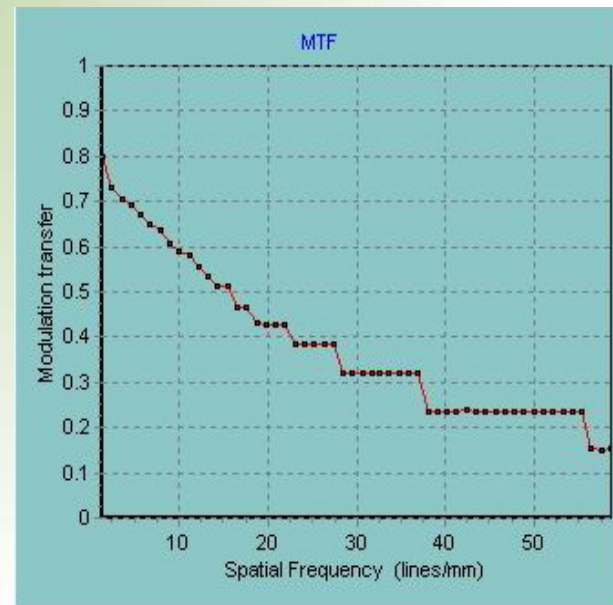
空間頻率大

$$MTF = \frac{I_{\max} - I_{\min}}{I_{\max} + I_{\min}}$$

誤差的MTF曲線圖



帶著鋸齒狀之有誤差的MTF曲線圖



階梯型之有誤差的MTF曲線圖

