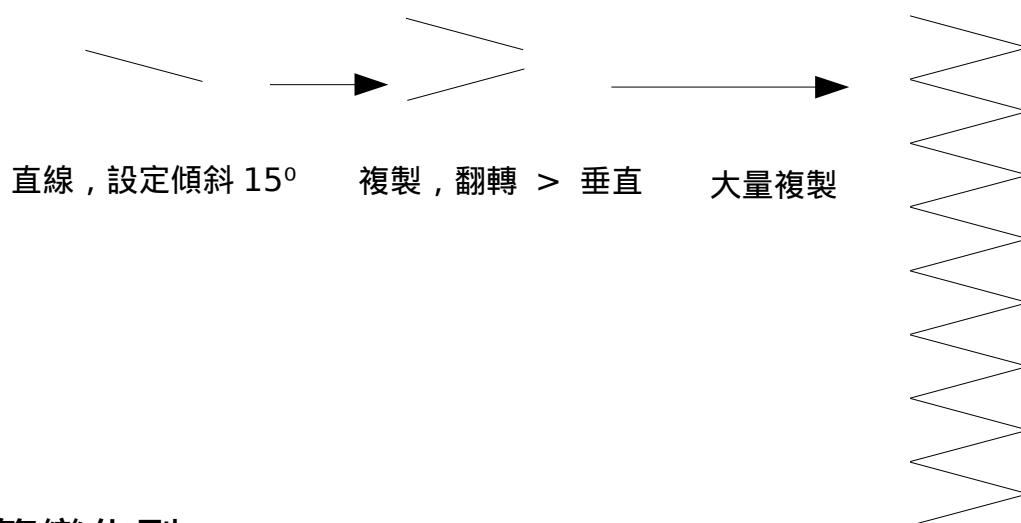
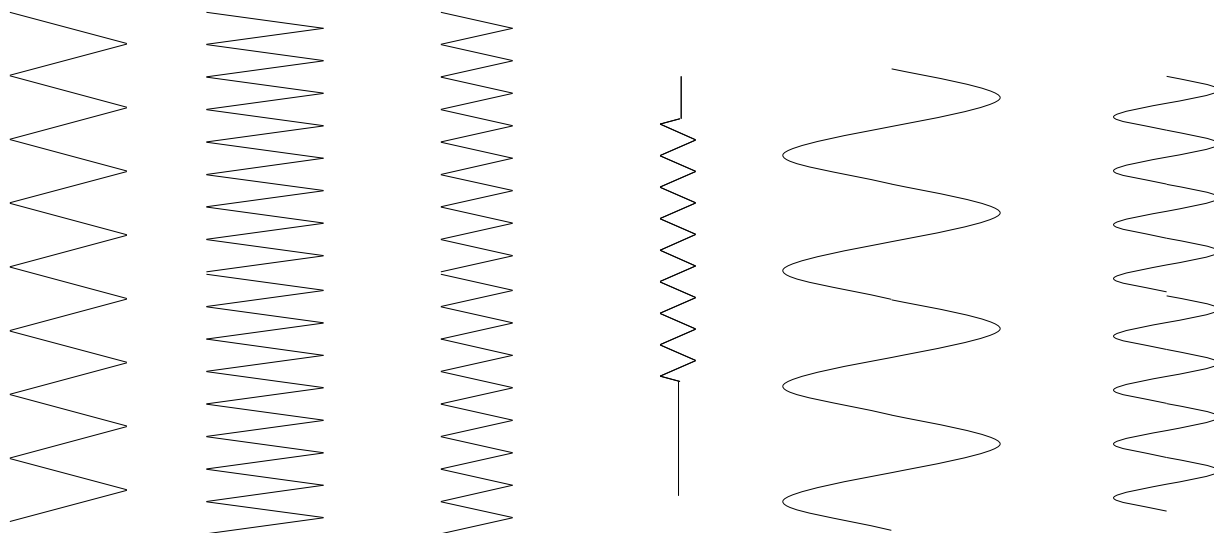


# 附錄 B：OOo Draw 與物理圖形

## 物理圖形：彈簧



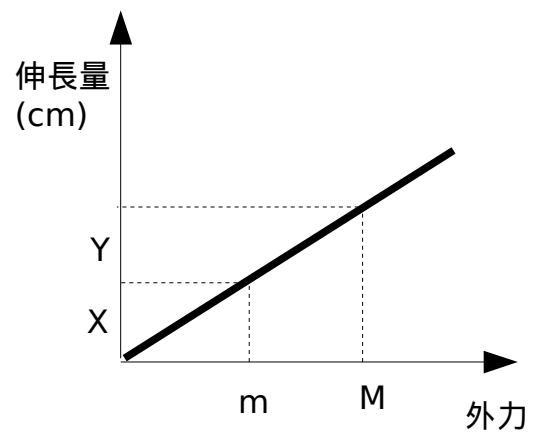
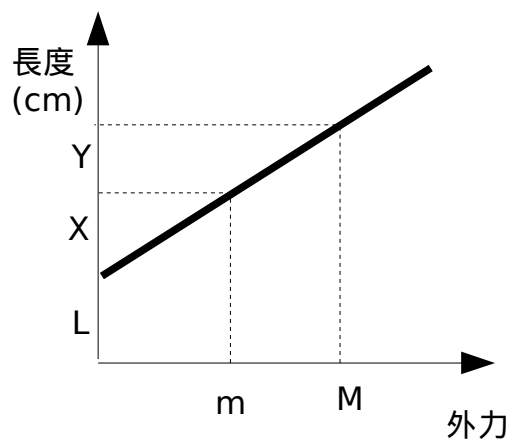
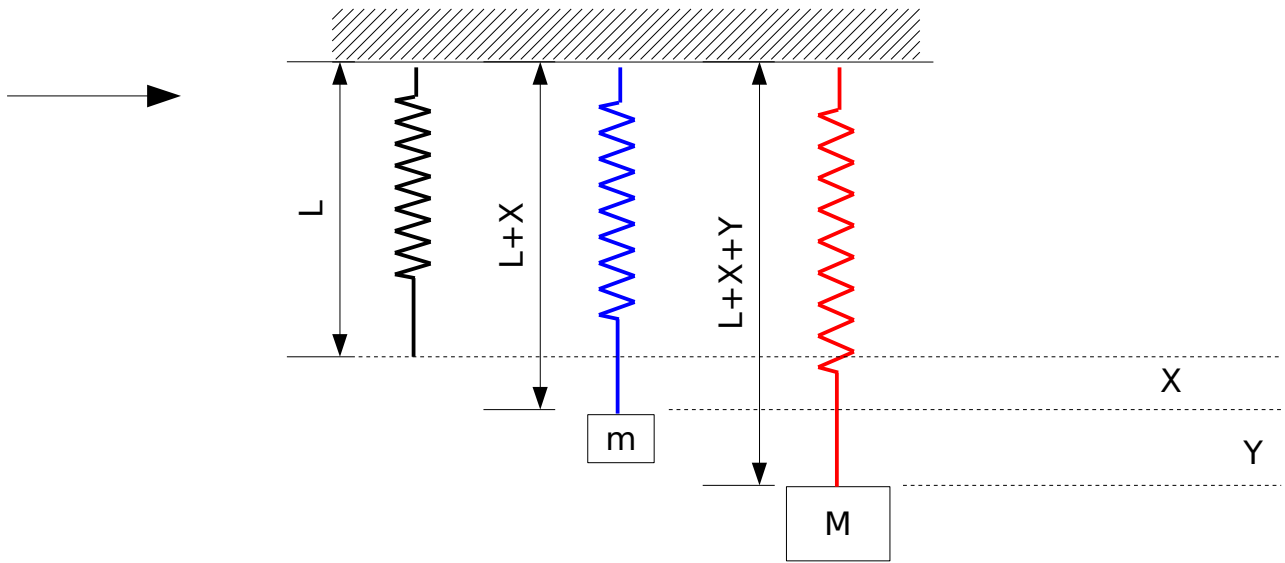
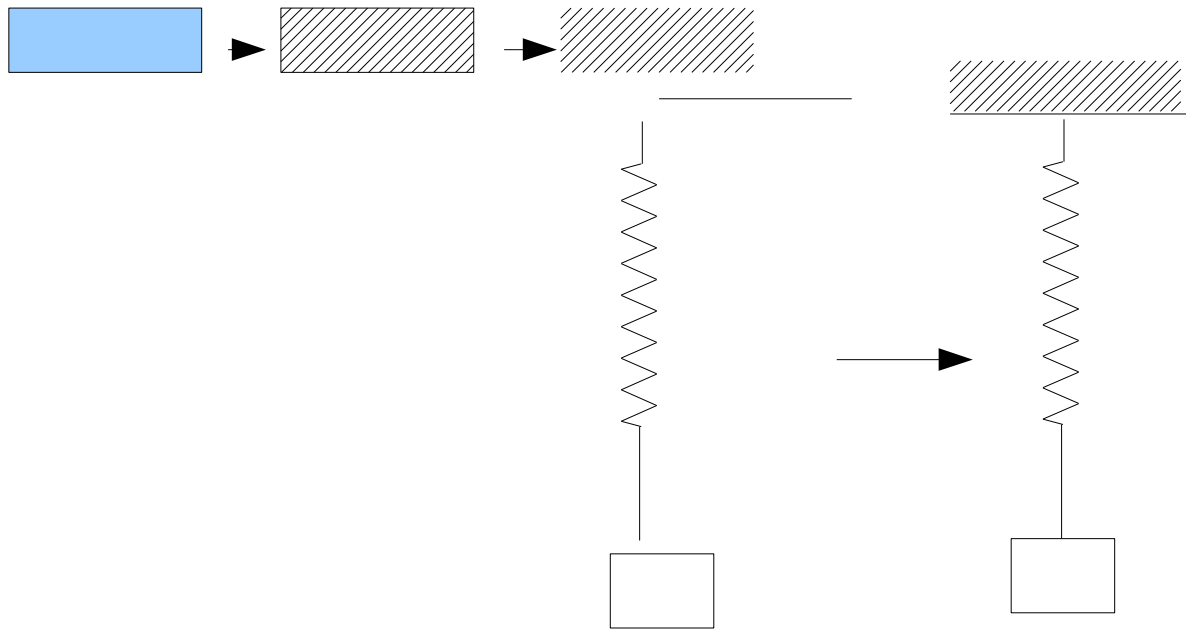
### 彈簧變化型



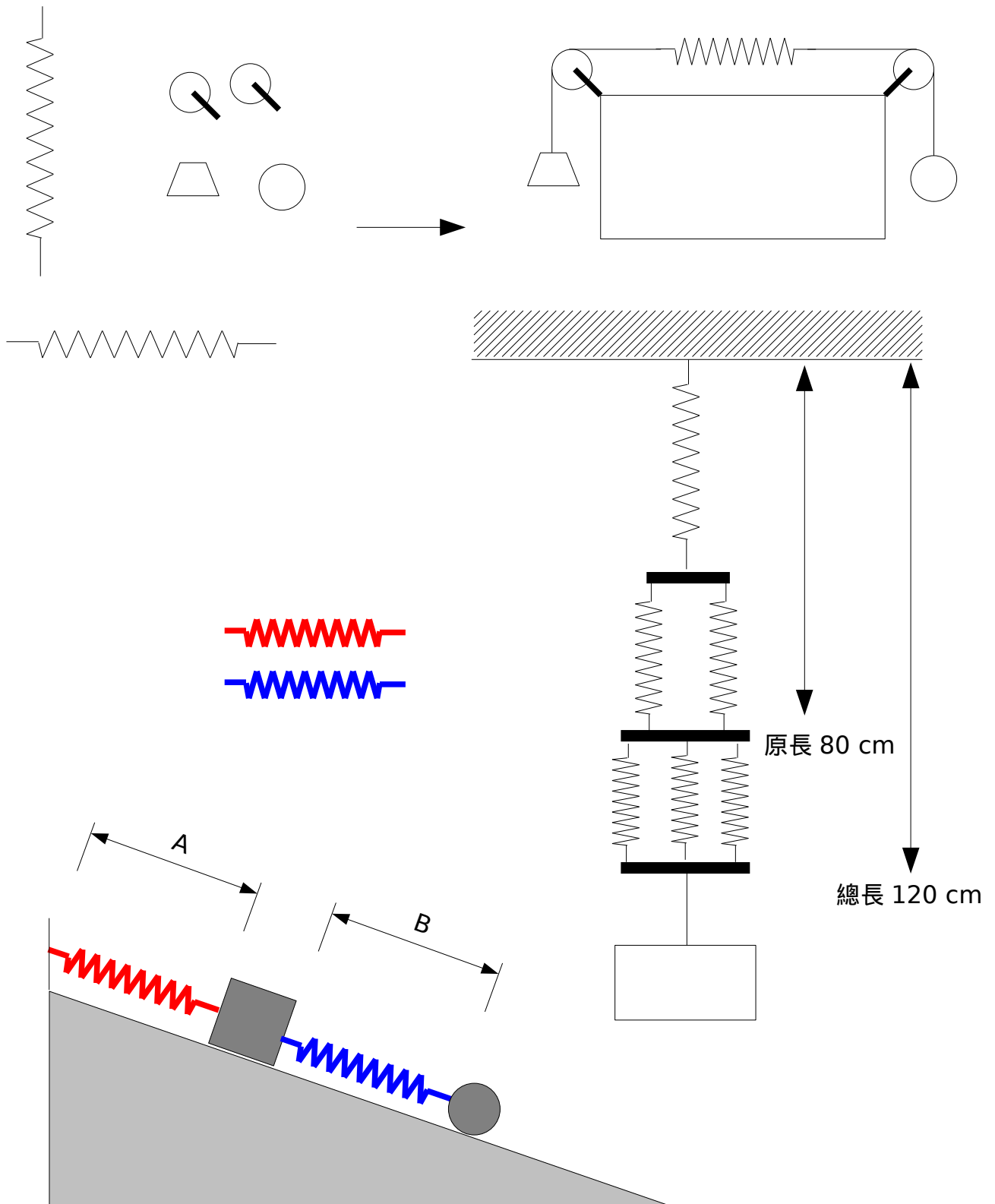
鋸齒型

平滑型（由正弦波圖形圖形修改而成）

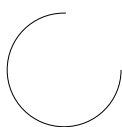
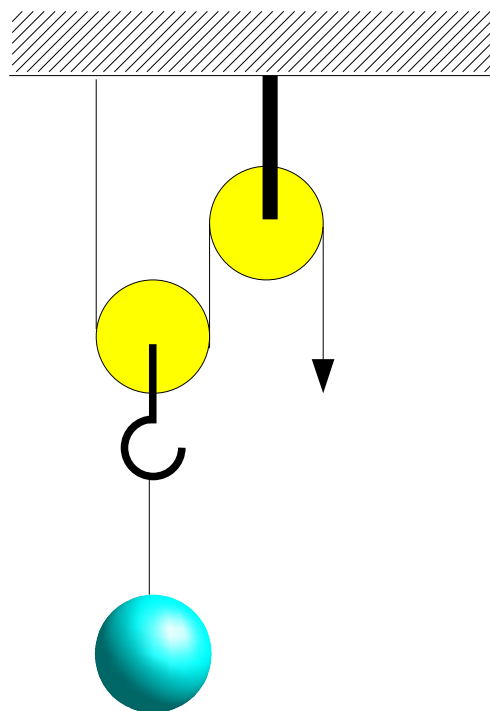
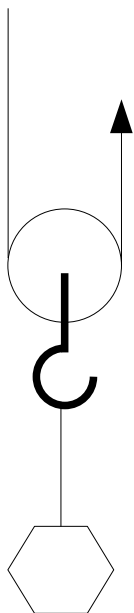
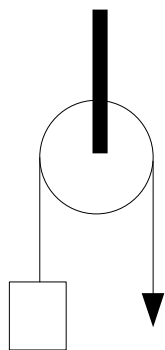
# 彈簧變化型



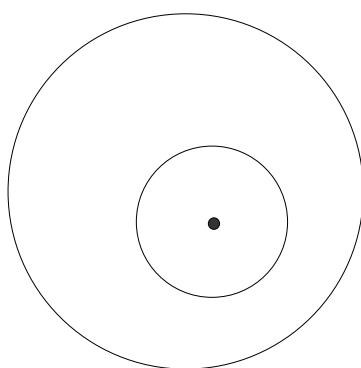
## 彈簧變化型



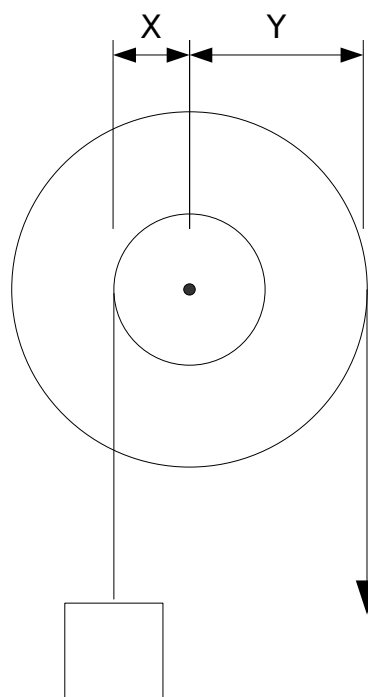
# 滑輪

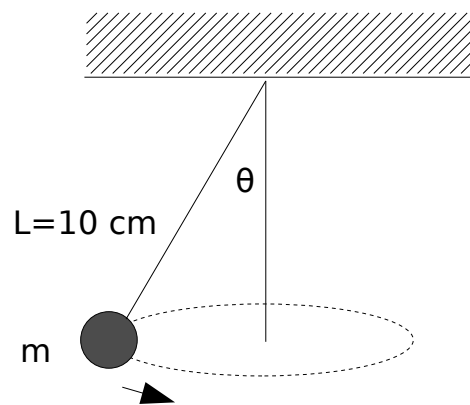
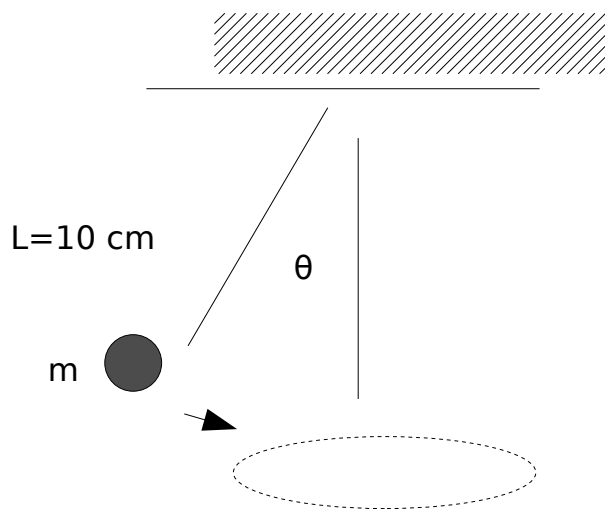


來自 Writer 的弧線

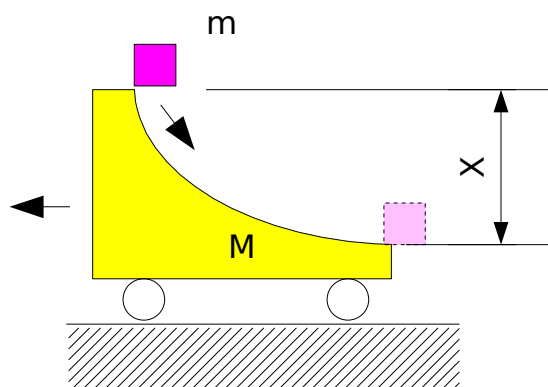
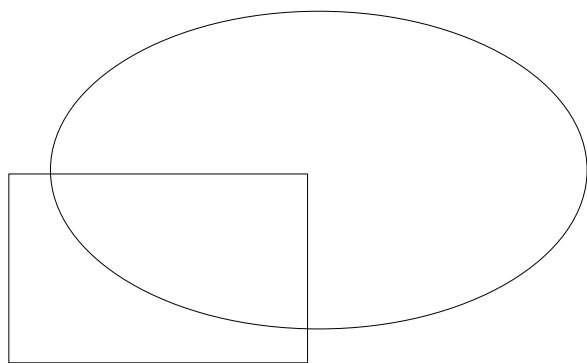
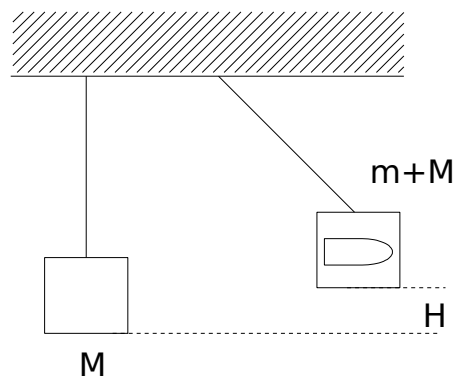


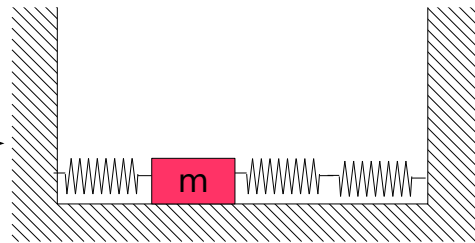
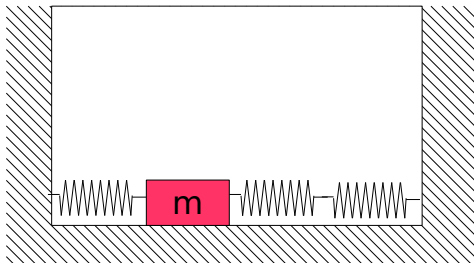
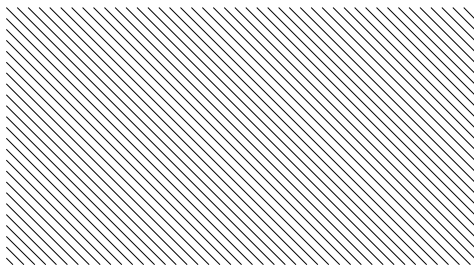
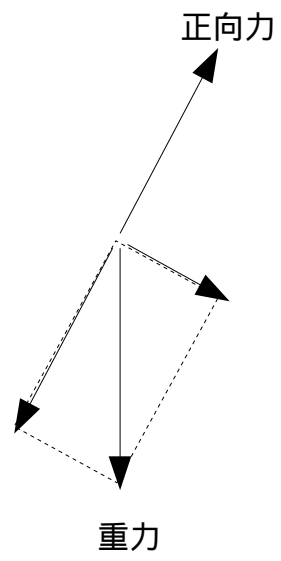
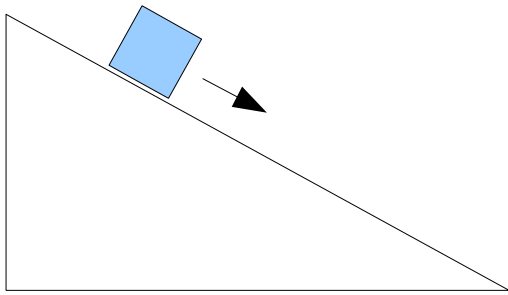
→  
水平及鉛直置中

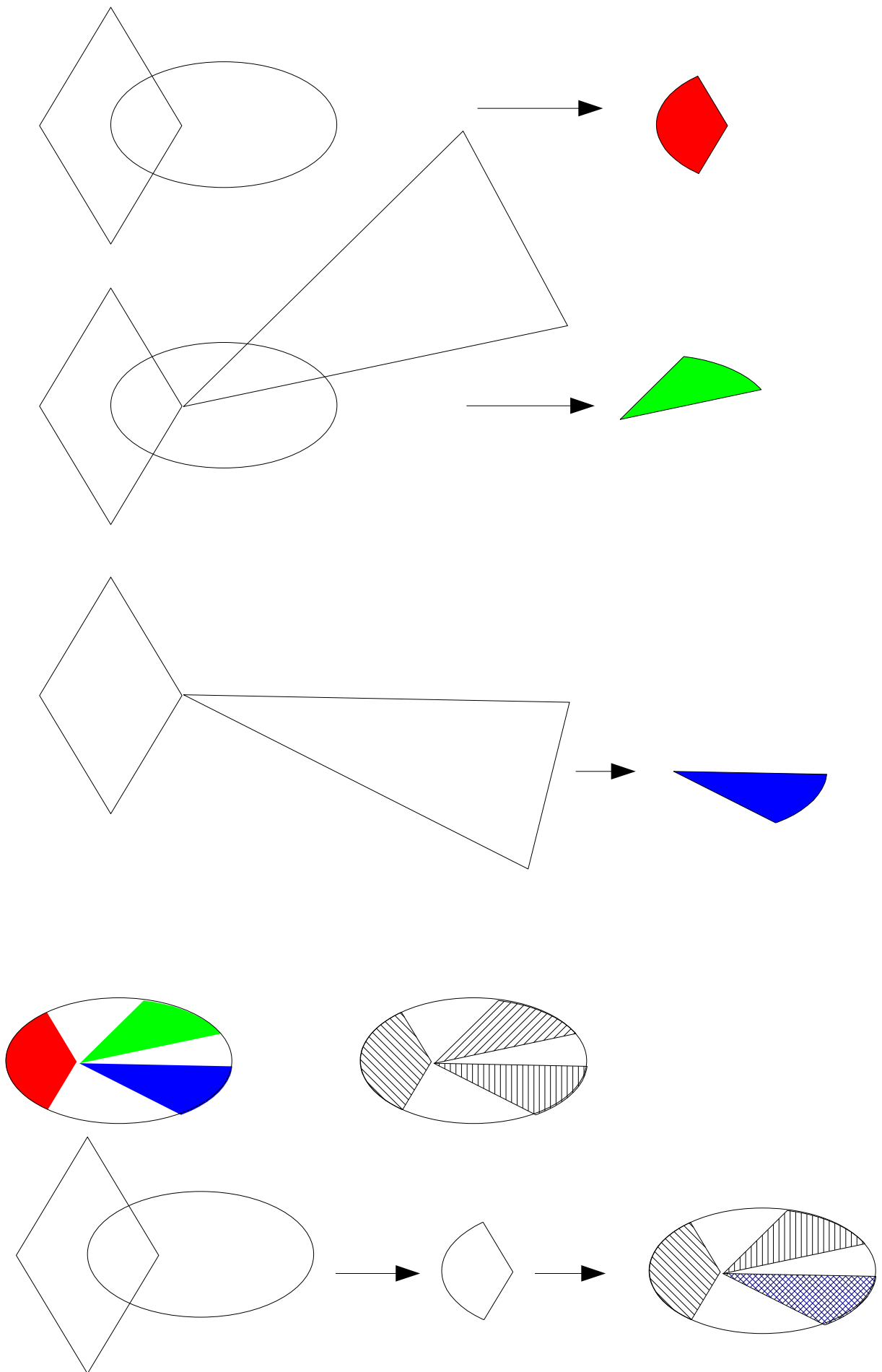


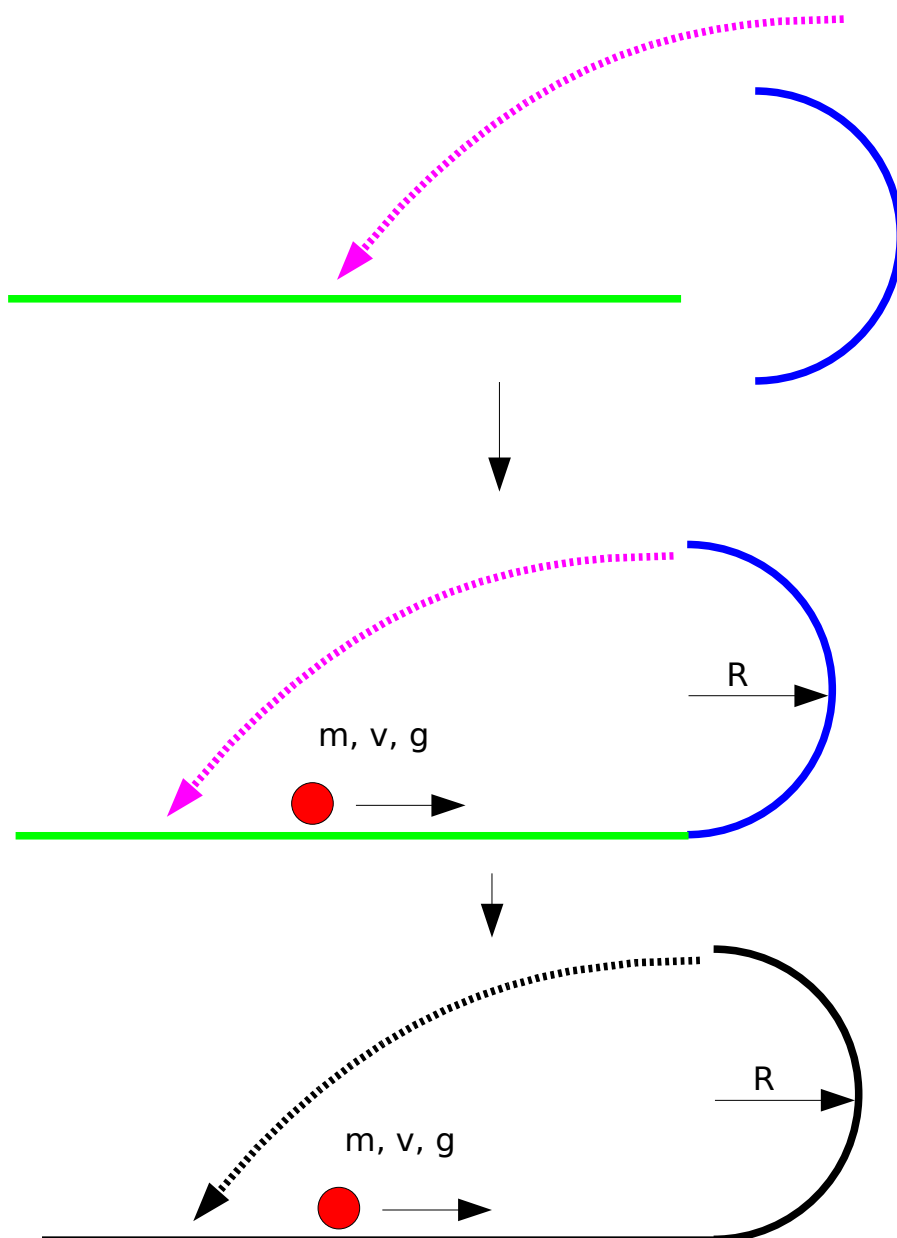


$m, v$



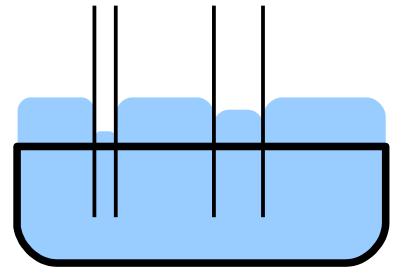
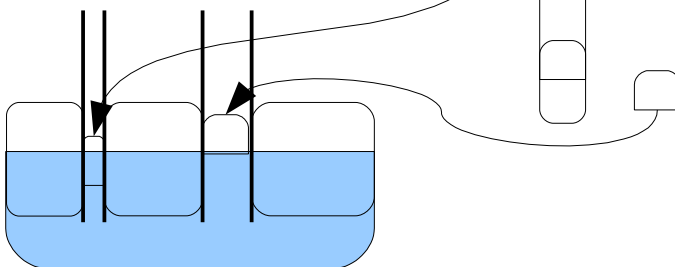
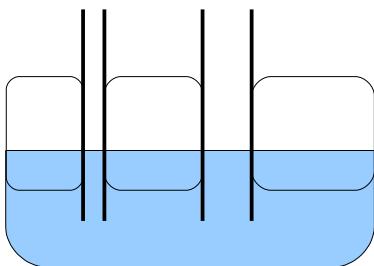
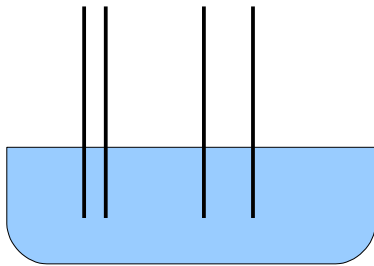
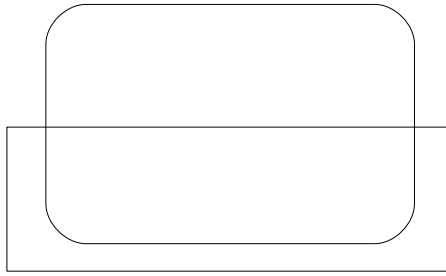




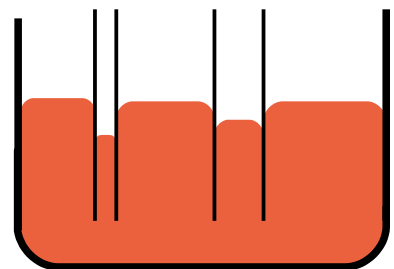
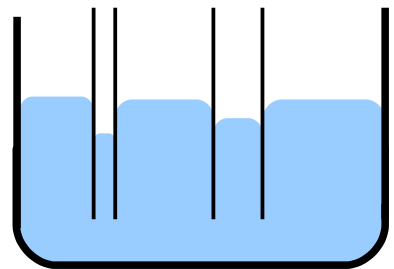




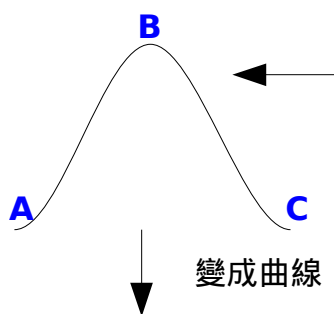
# 毛細現象



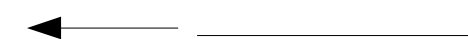
排到下層，改顏色，去除框線



# 線圈

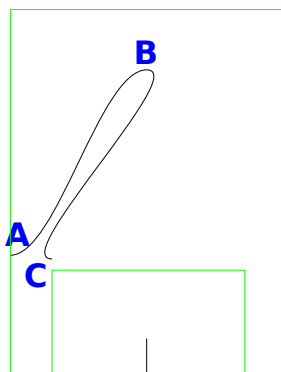


A B C

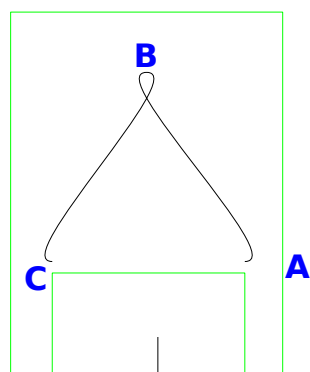


在線段中央插入接點 1 次，共有 A, B, C 點可以進行編輯

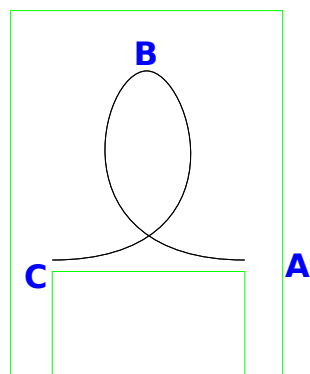
變成曲線，B 點上移



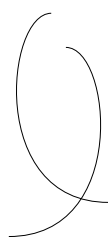
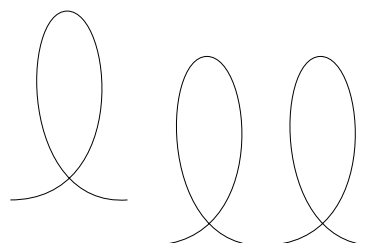
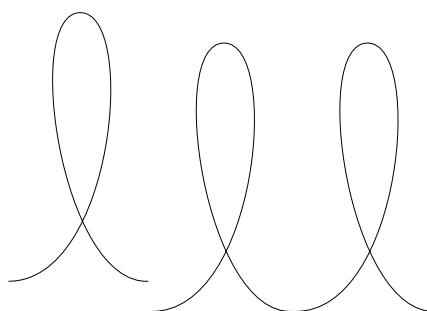
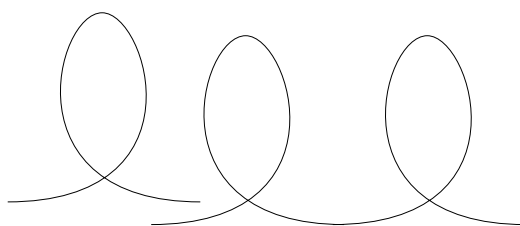
C 點向左移（長方形用來參考相對位置）

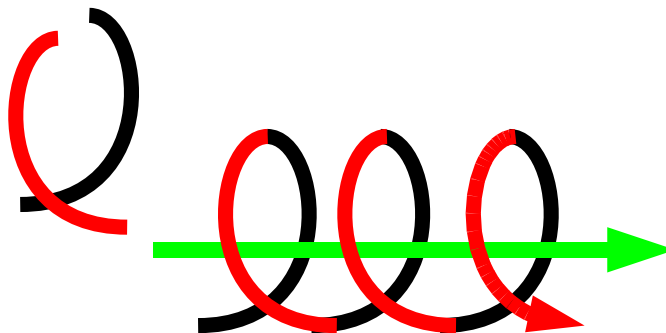
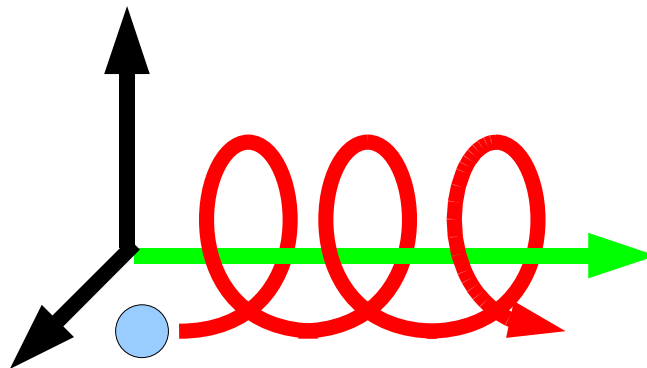
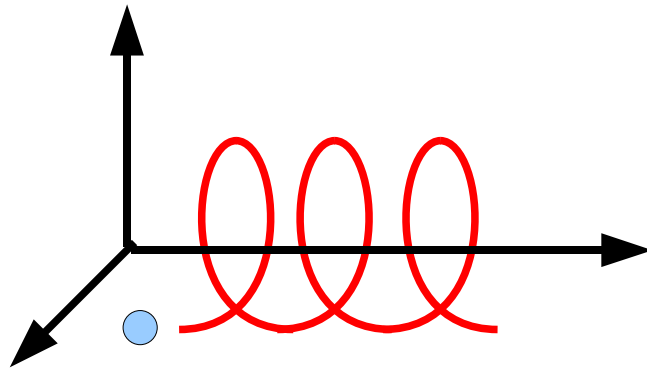
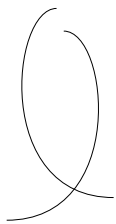


A 點向右移

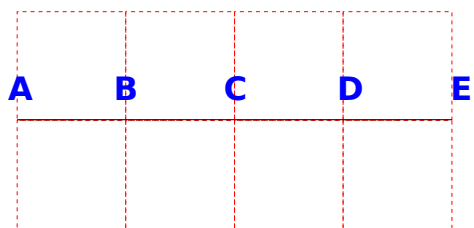


調整 A 及 C 點的平滑線

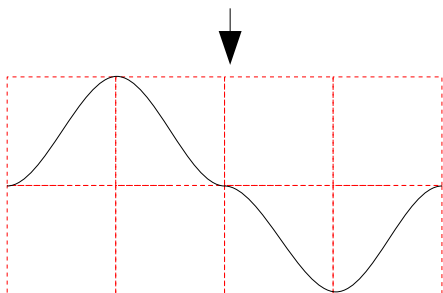




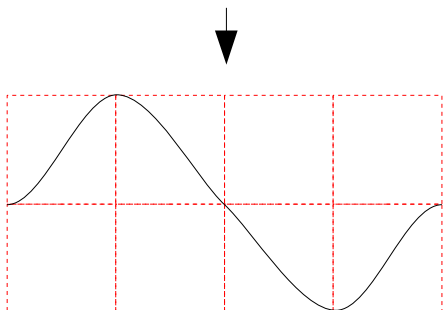
# 正弦波



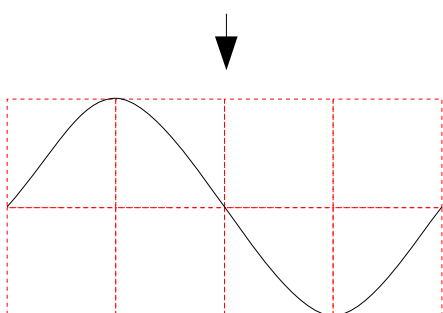
在線段插入接點 3 次，共有 5 點可以進行編輯  
在此利用紅色線條輔助



B 點上移，D 點下移

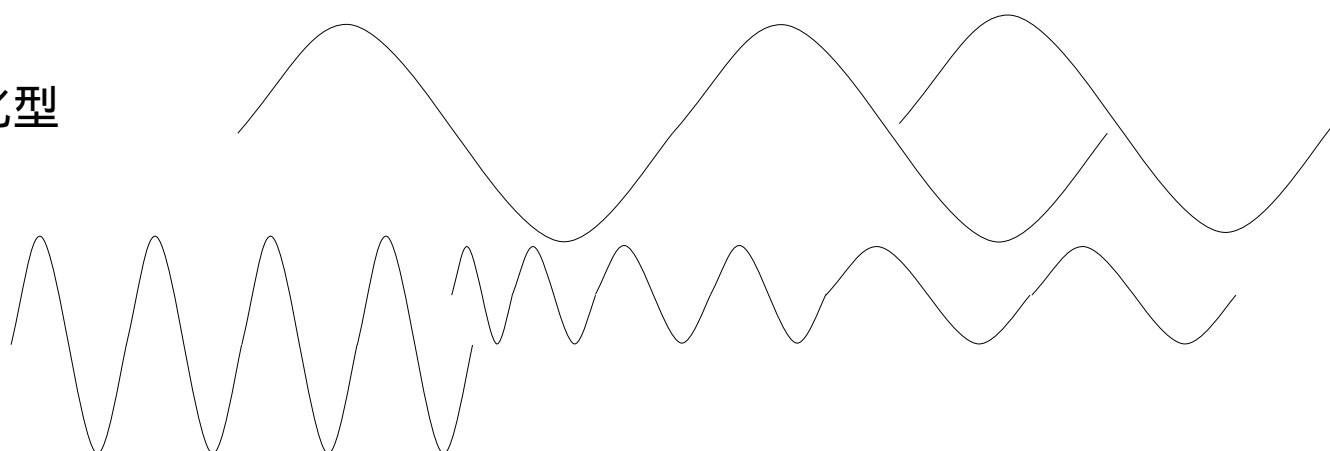


調整 C 點平滑線（可用對稱  
過渡的功能）

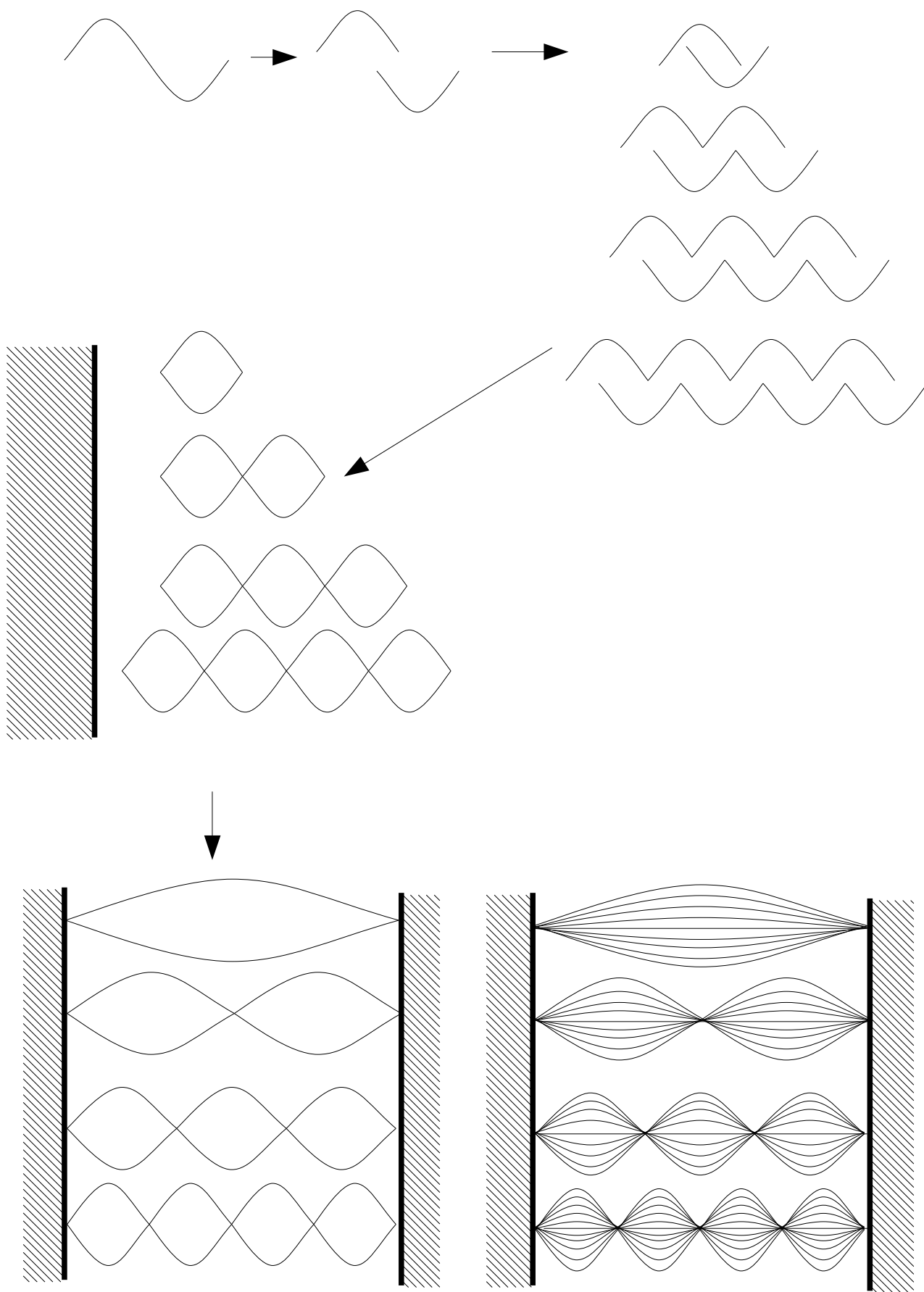


調整 A 及 E 點平滑線

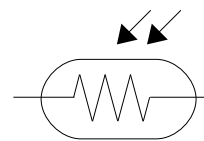
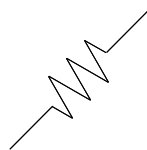
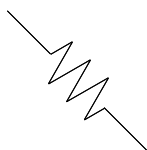
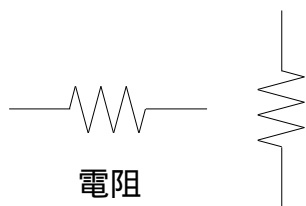
## 變化型



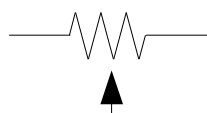
提醒：這只是示意圖，不代表是正確的  $y=\sin(x)$  圖形



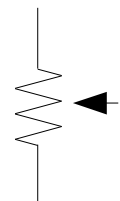
# 電子元件



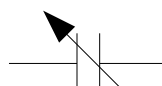
光敏電阻



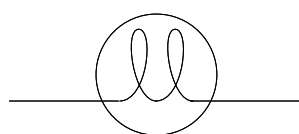
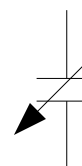
可變電阻



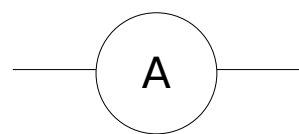
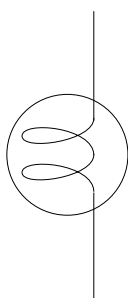
電容



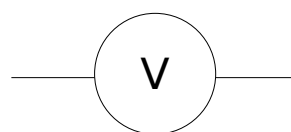
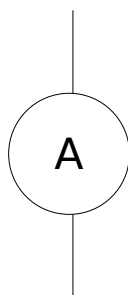
可變電容



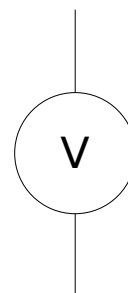
燈泡



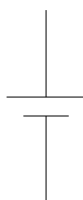
安培計



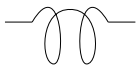
伏特計



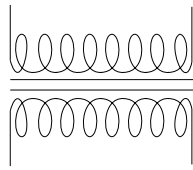
電池



# 電子元件



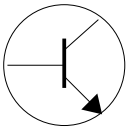
線圈



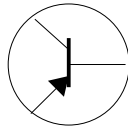
變壓器



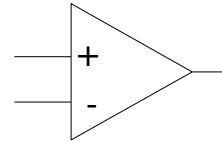
揚聲器



NPN 電晶體



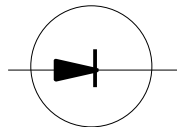
PNP 電晶體



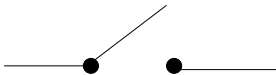
積體電路



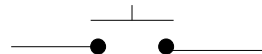
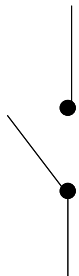
二極體



發光二極體

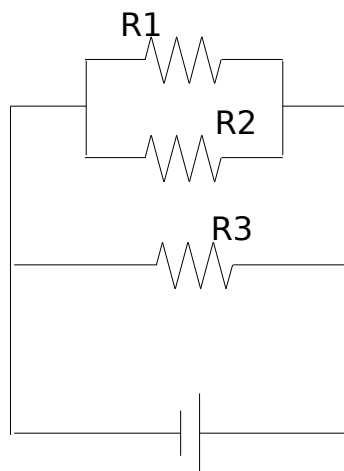
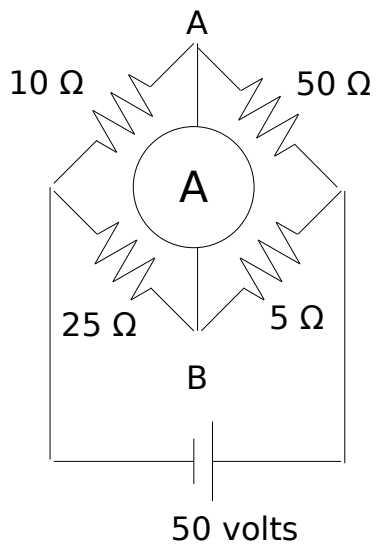
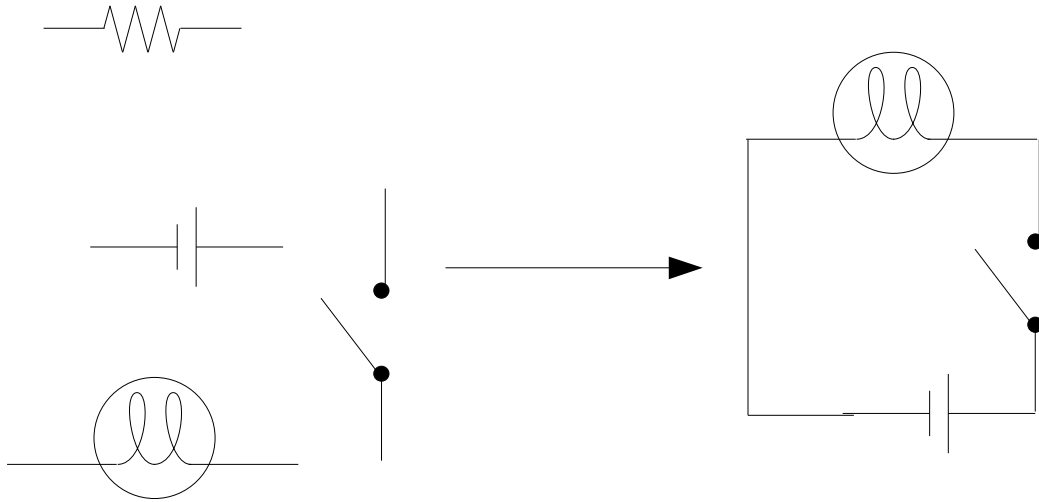


開關



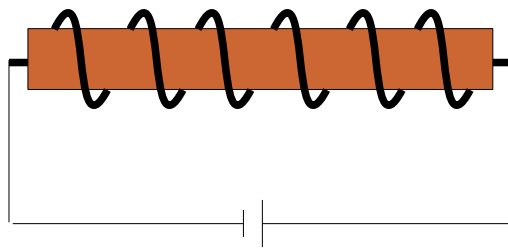
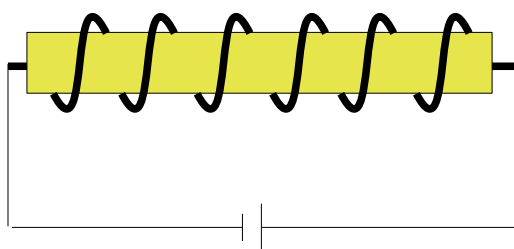
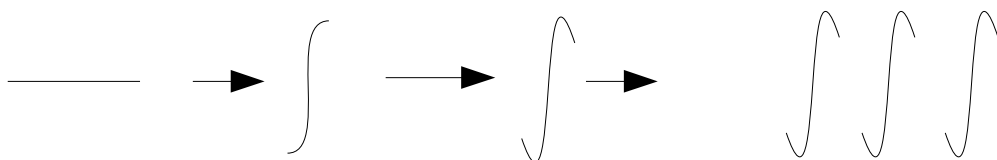
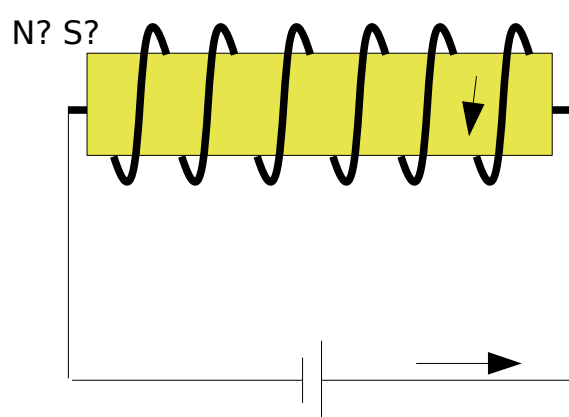
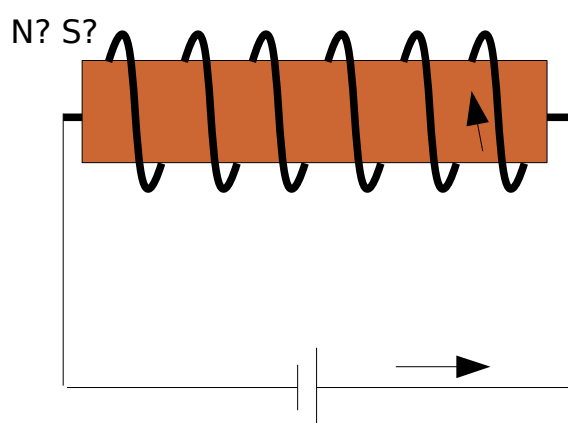
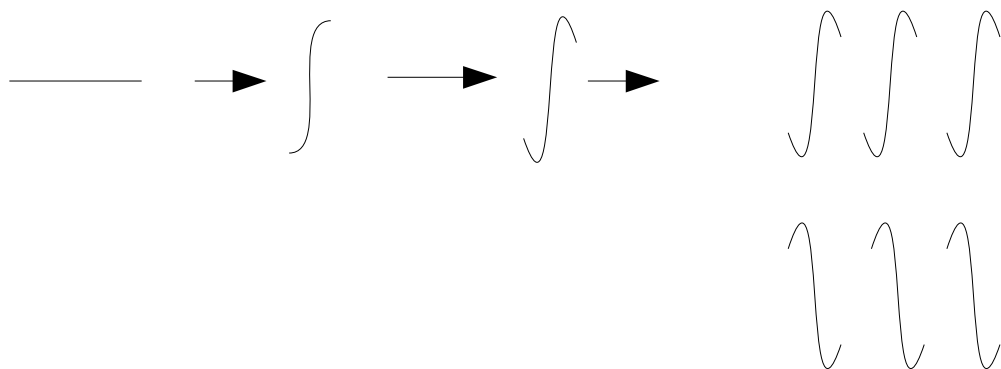
保險絲

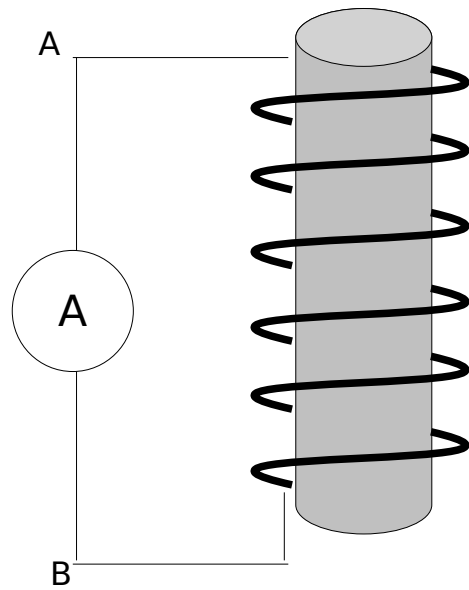
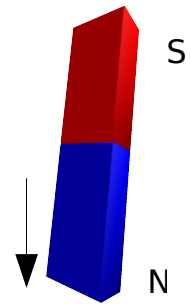
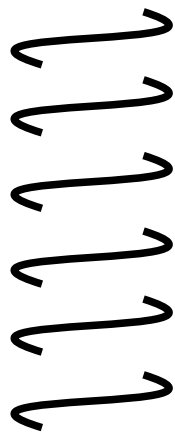
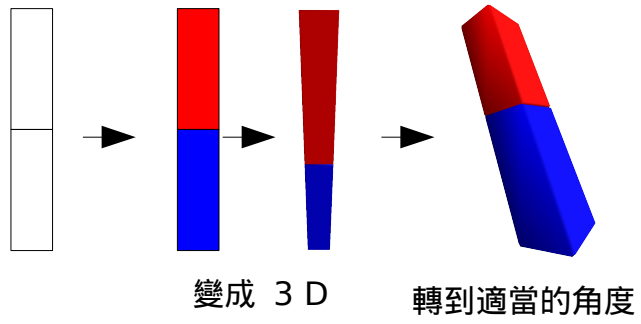
# 電路圖



請問 A 及 B 點的電位差，電流方向，電流大小為何？







當磁鐵落下時，電流是 A 到 B 或是 B 到 A ？