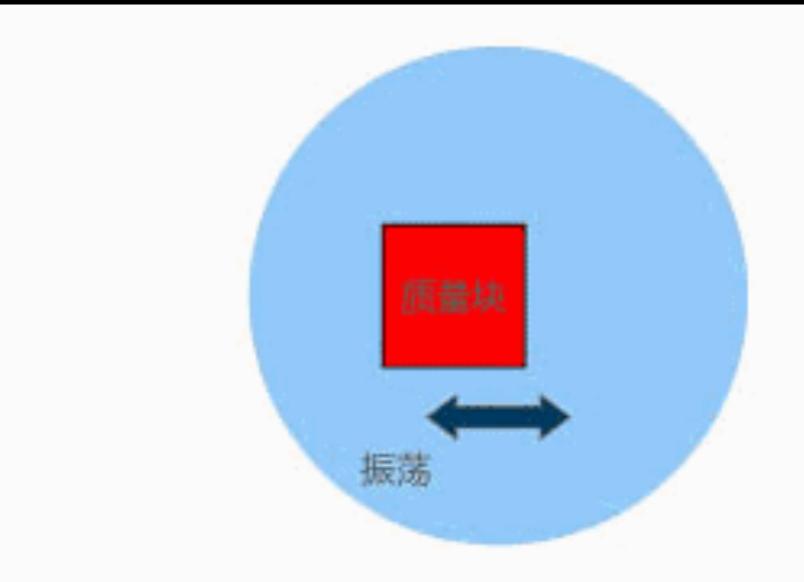
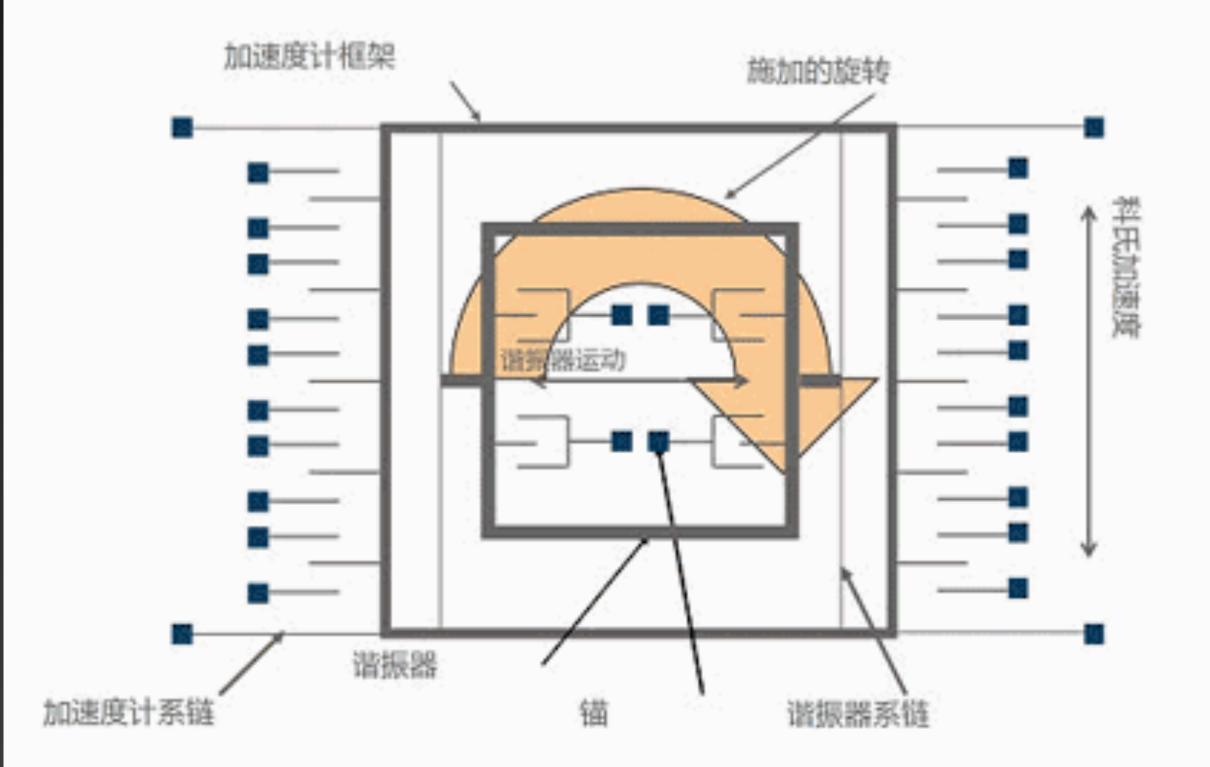
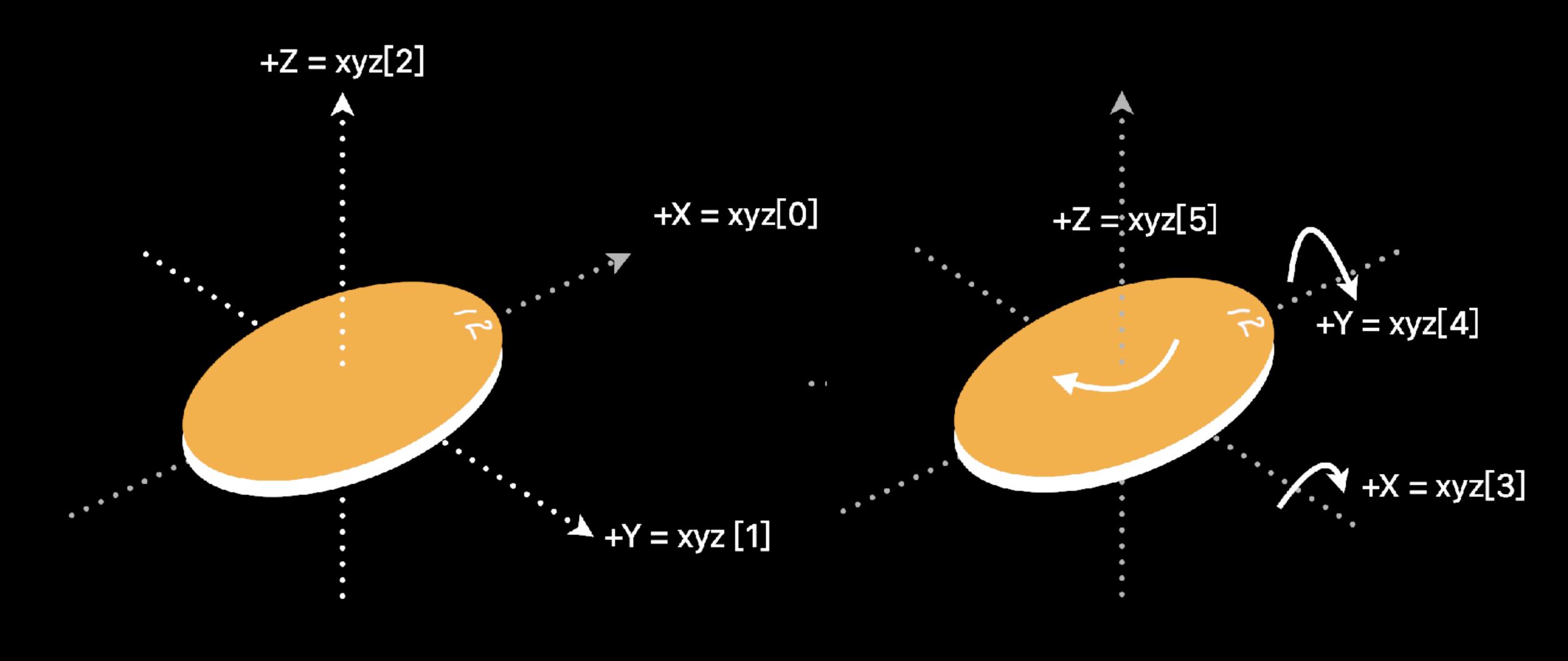
智慧手錶六軸感測數據處理

南新科技中心







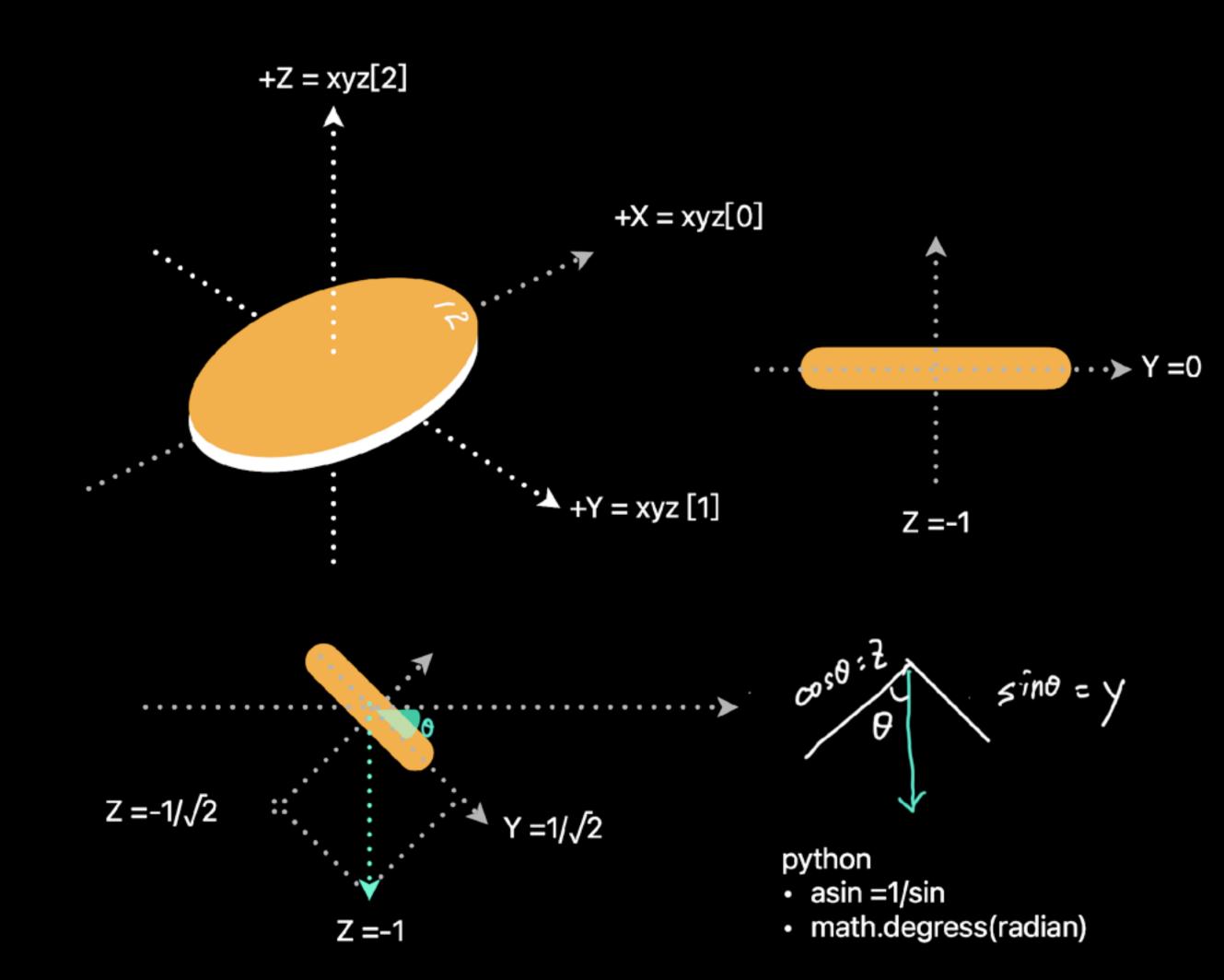
資料來自重力,可當傾角

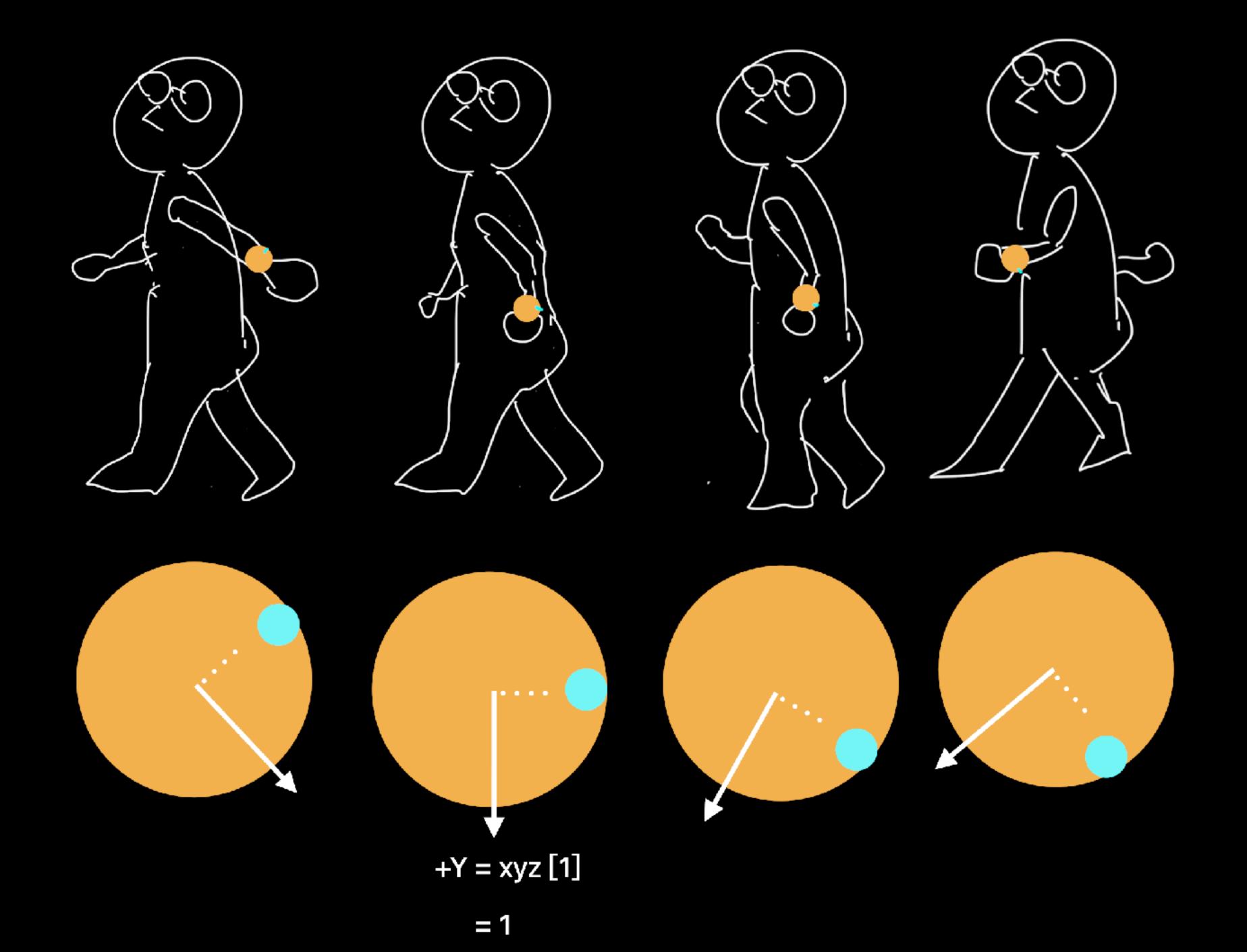
不動,理論上為0

利用acos

反求弧度->角度

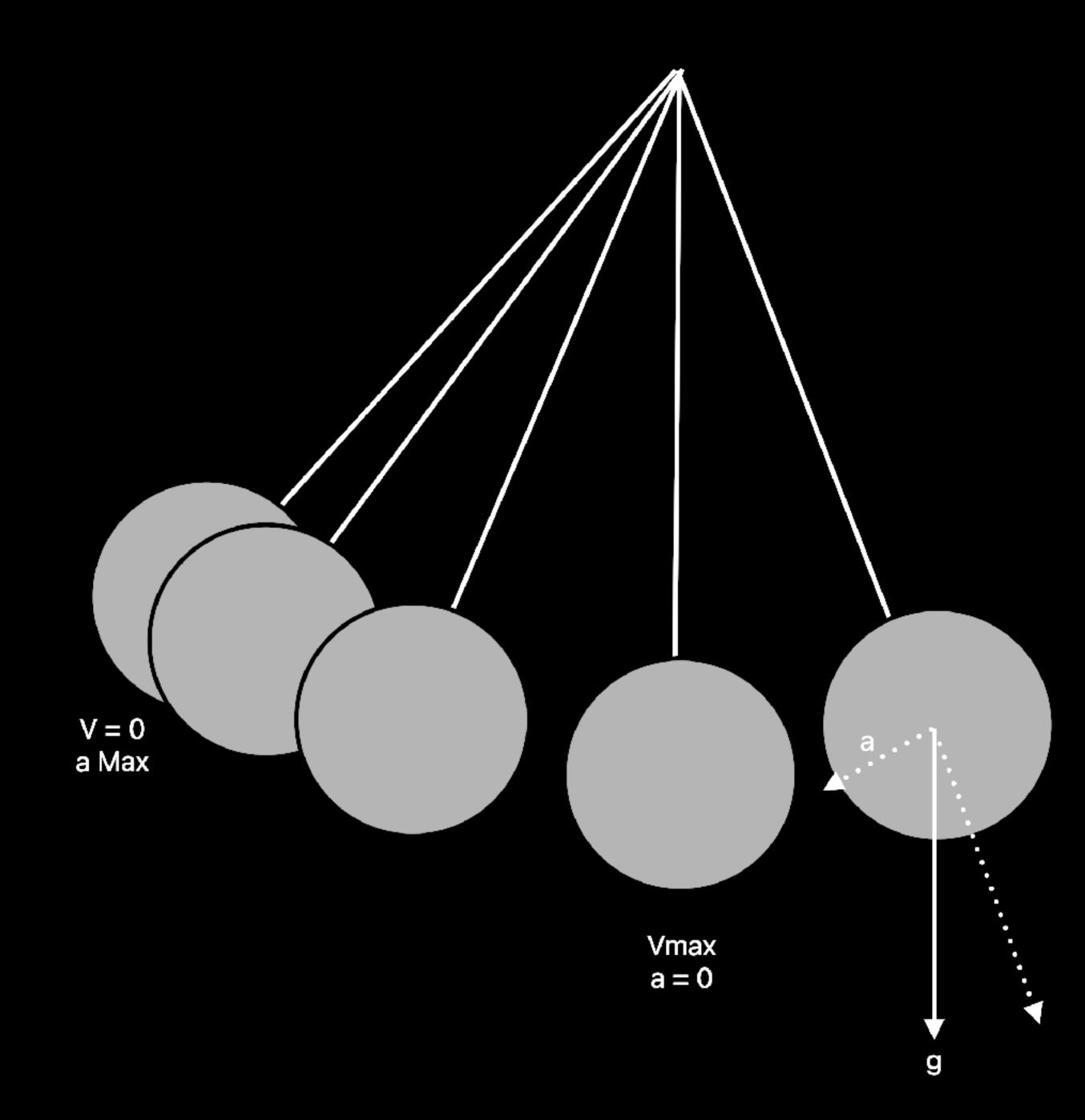
- 用 sin or asin ,遇到 0° 有問題
- 可引用作為傾角,感知直觀:
 - 水平儀
 - 身體姿勢校正

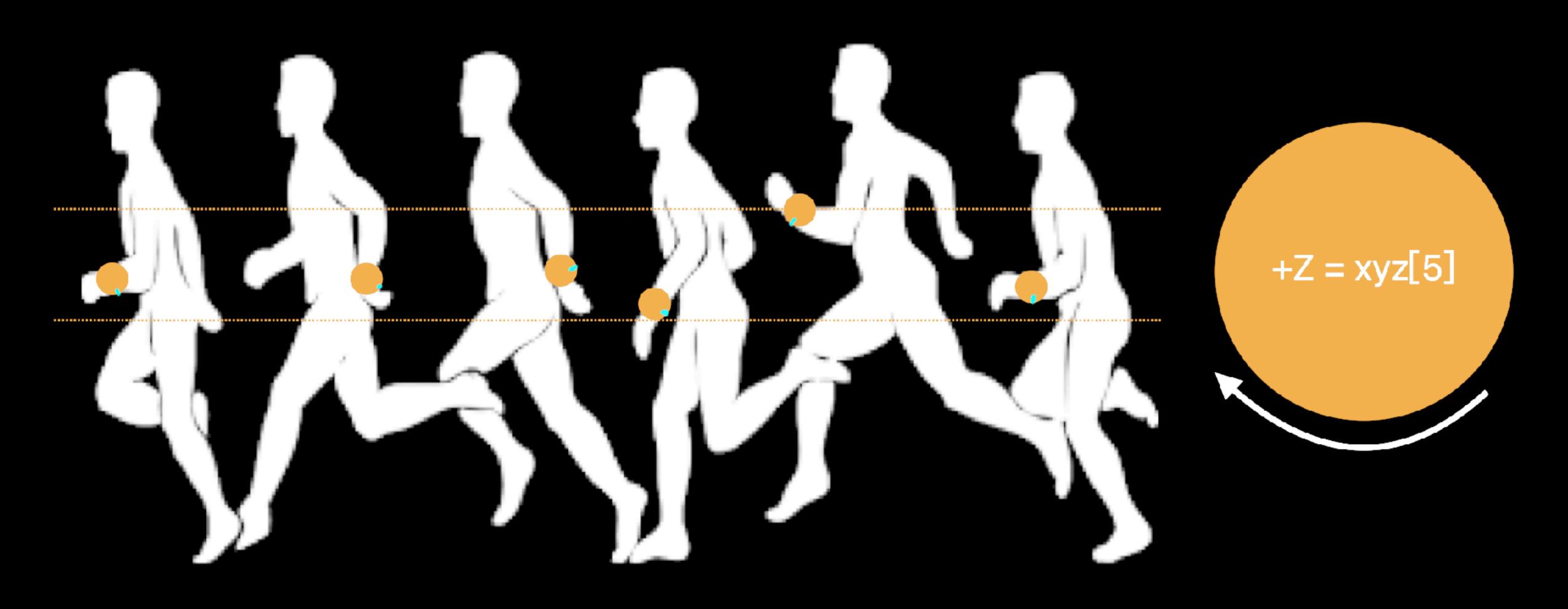




単態物理課

- 速度最大為最低點
- 加速度最大為端點



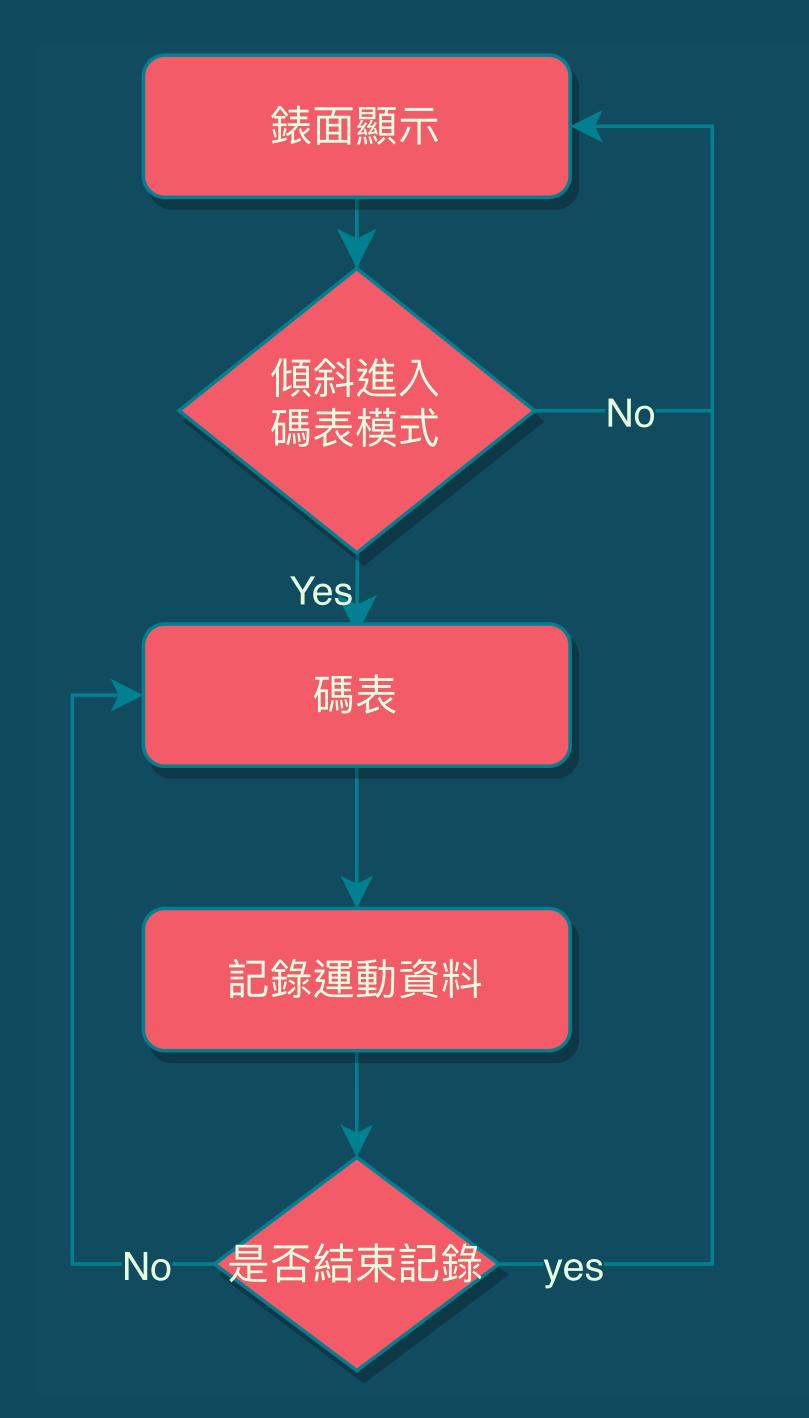


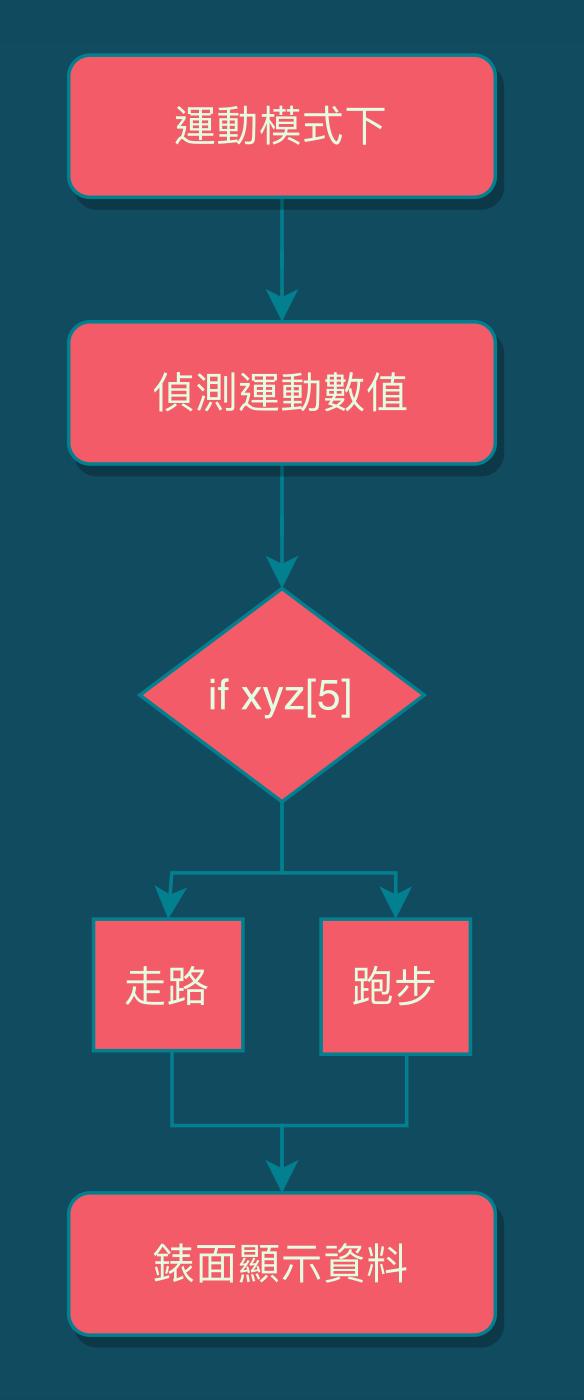
a MAX

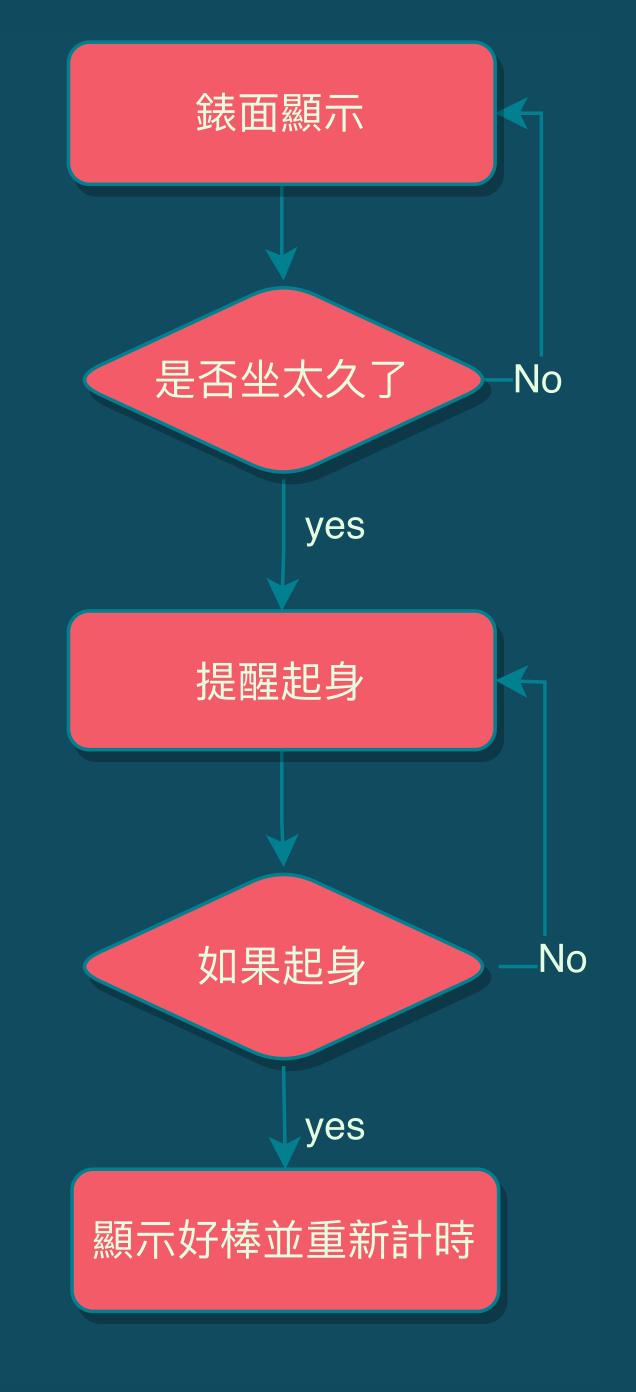
-a MAX

芸計流程

挑戰與方向

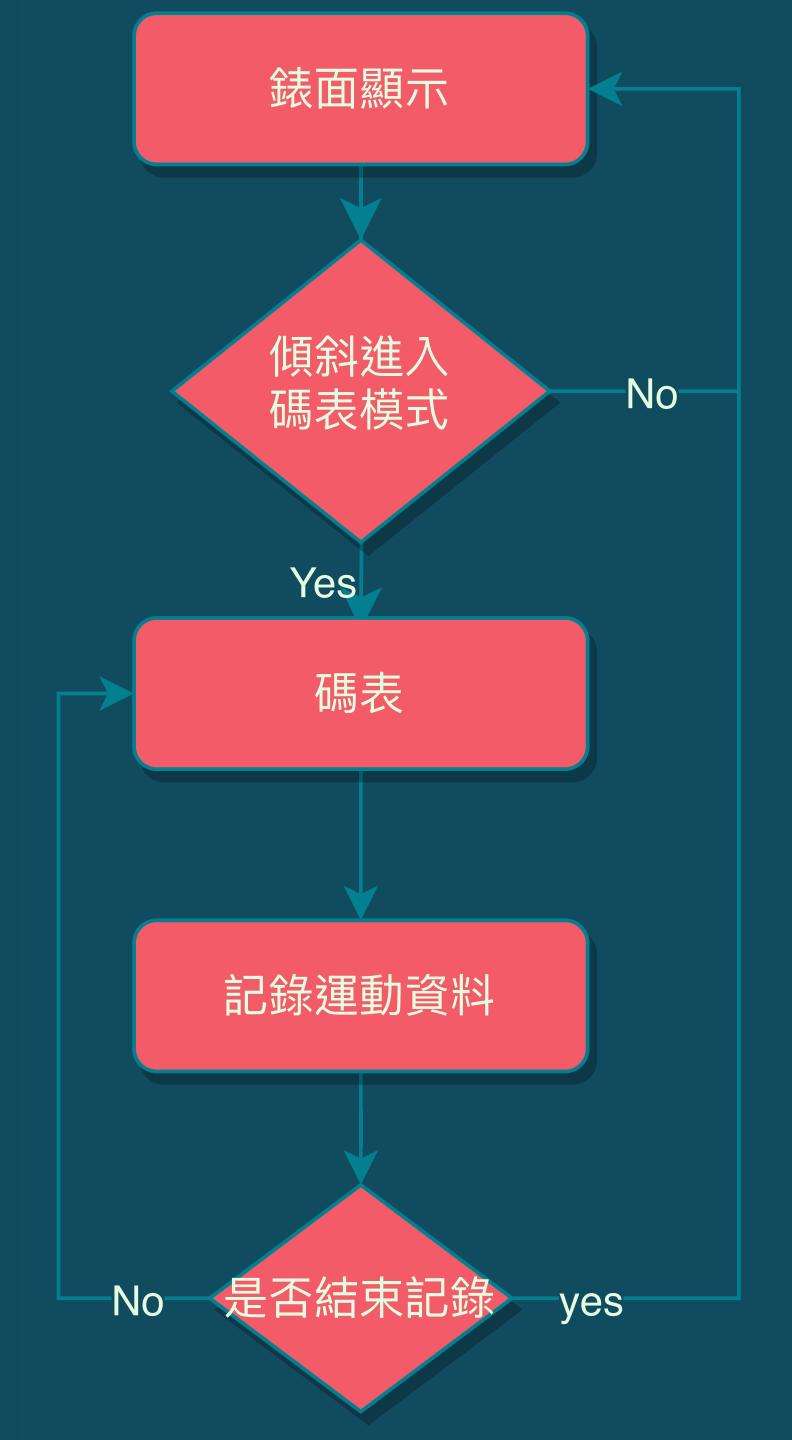






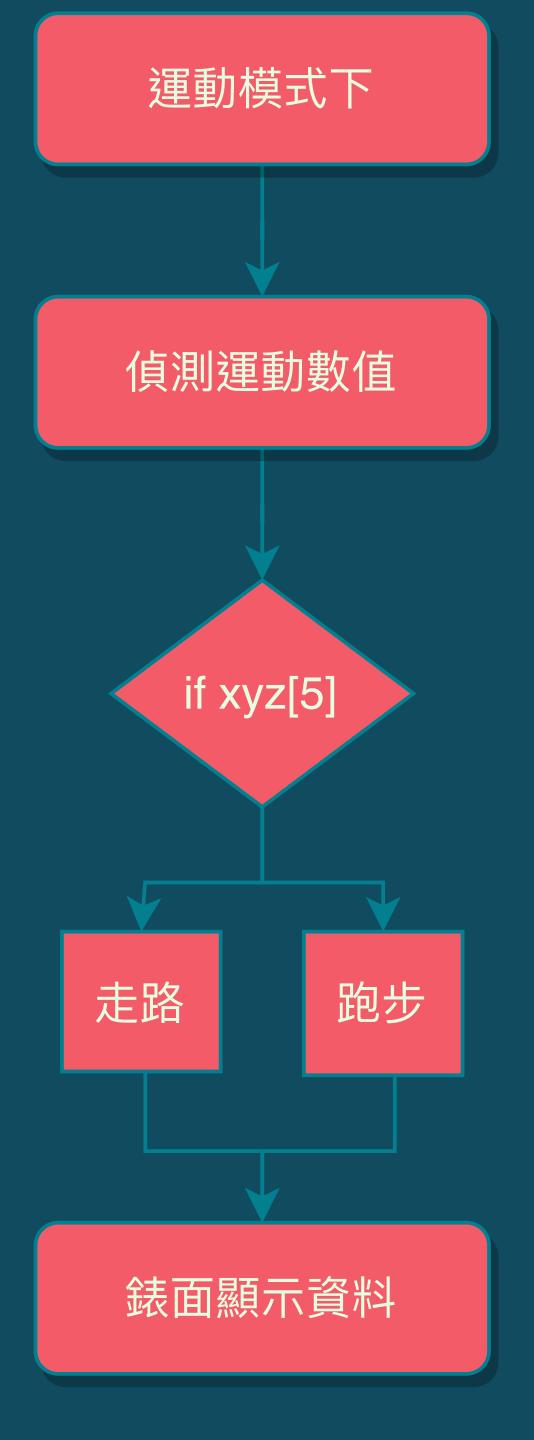
挑戰— 程式佈局與連結

- 錶面顯示要兼顧選單?
- 傾斜時或特殊動作?
- 碼表的設計是?
- 記錄什麼值?
- 如何結束?



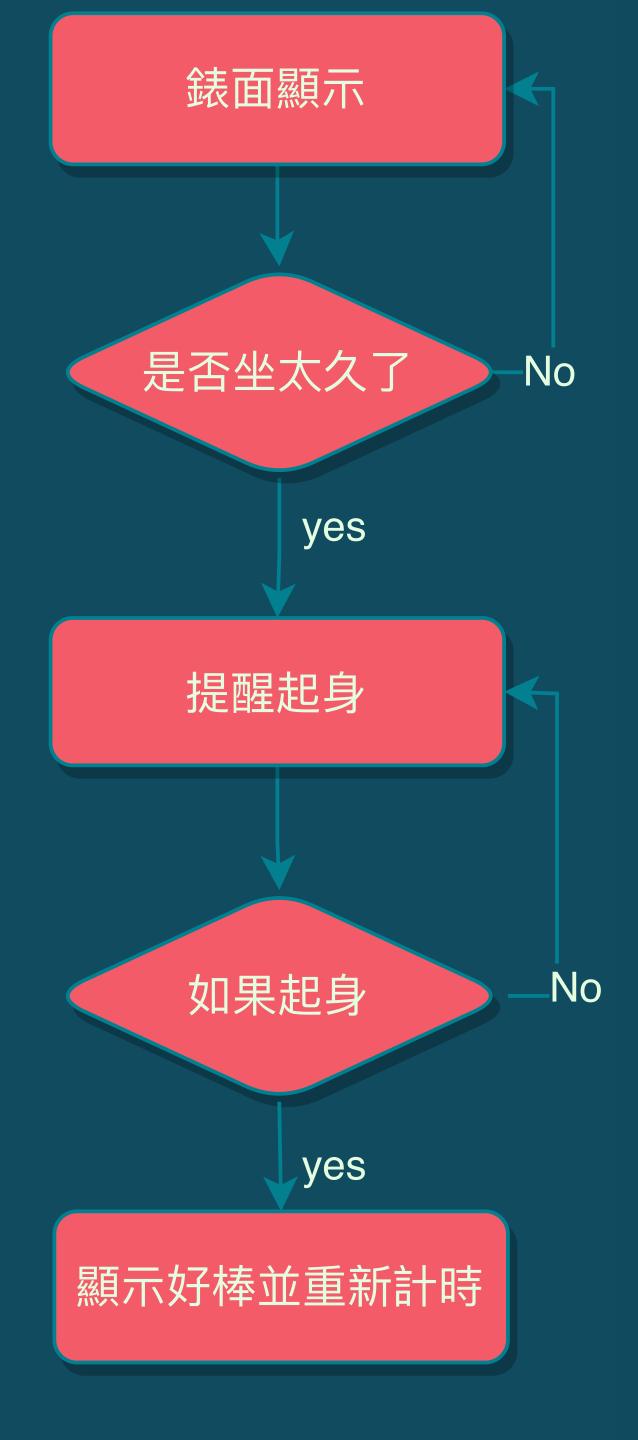
挑戰. 資料的決定

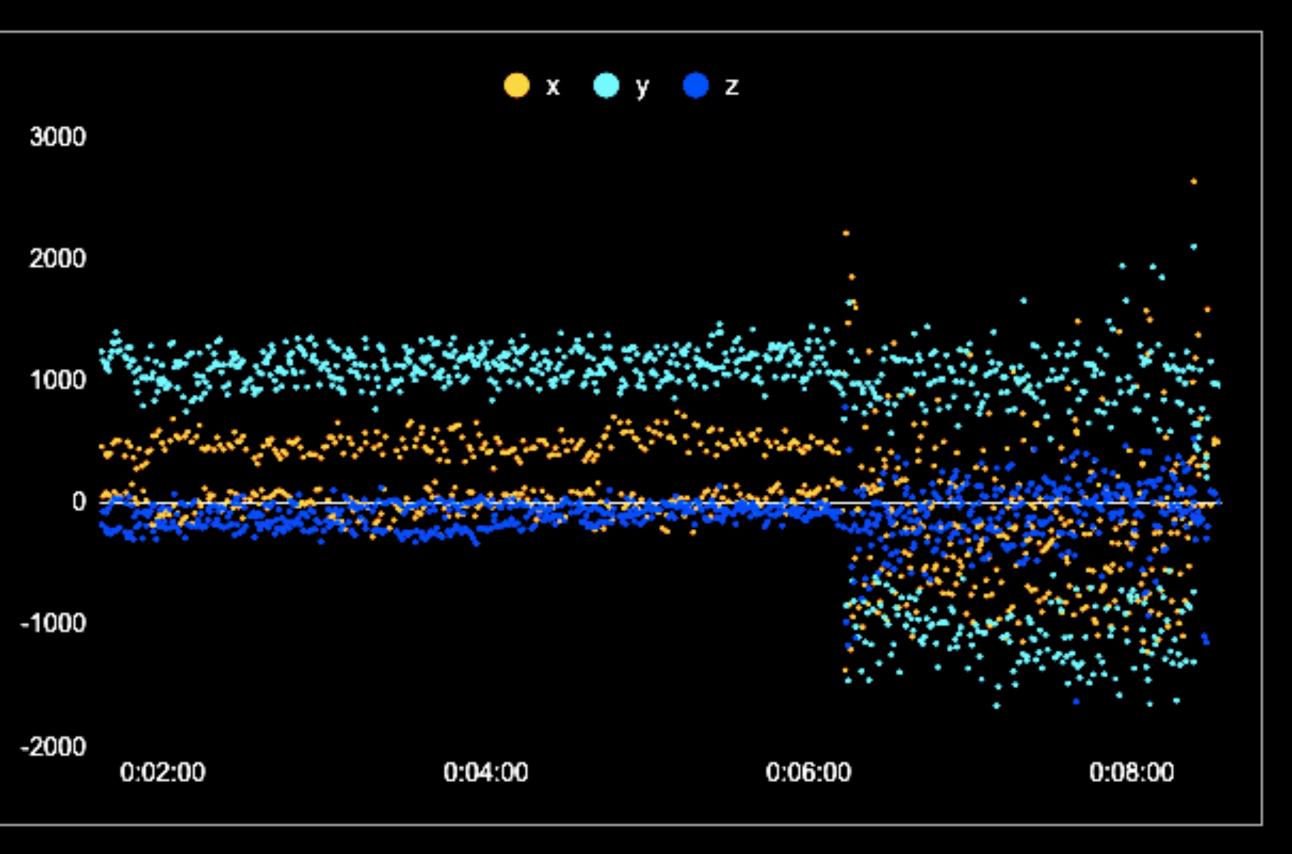
- 運動模式顯示碼表和什麼資料?
- 資料加權與向量?
- •需要用到Ai?
- 如何區分?
- 呈現出?

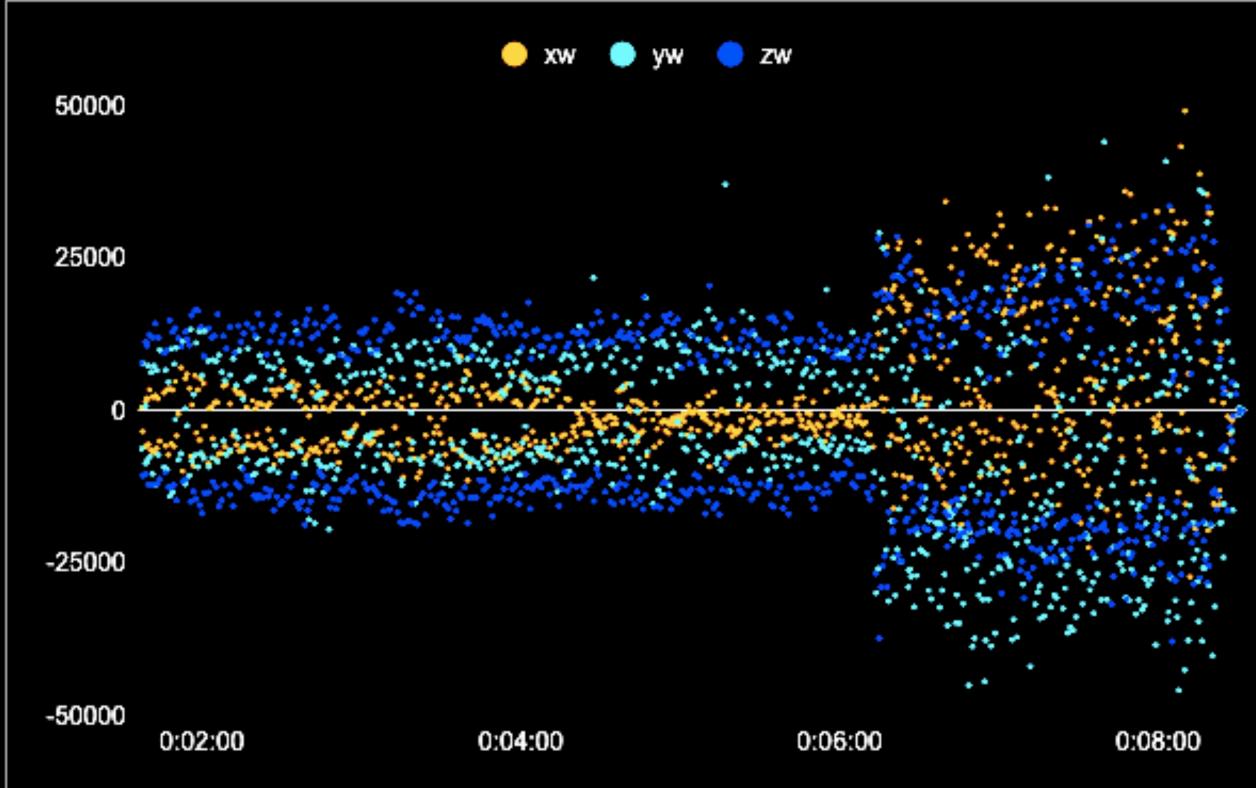


挑戰. 模式訓練

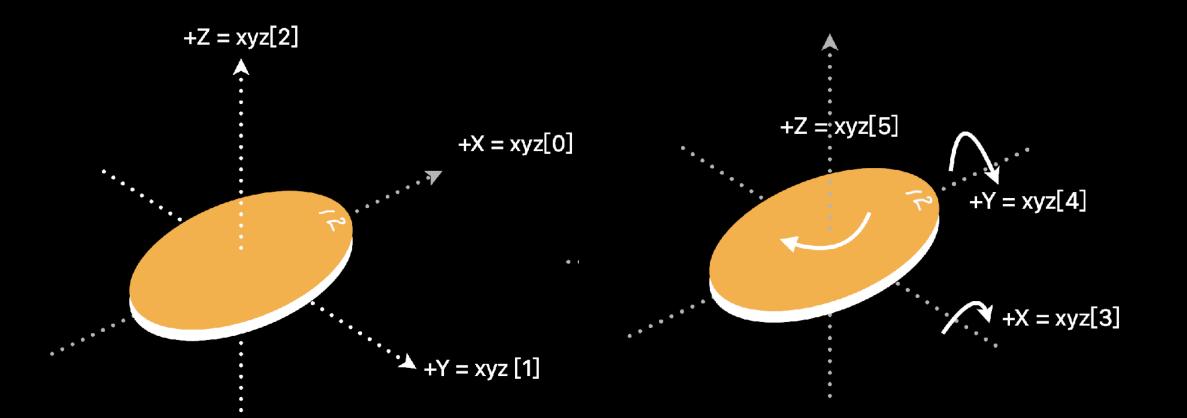
- 姿勢變化有什麼資料?
- 提醒的方式是?
- 起身後轉變其他模式?











walk---->

- walk:zw < threshold
- run: zw > threshold and y = -1