

# Superposition

## A-Level Physics · Vocabulary

| English                   | 中文   | Pinyin              |
|---------------------------|------|---------------------|
| wave                      | 波    | bō                  |
| displacement              | 位移   | wèi yí              |
| vector sum                | 矢量和  | shǐ liàng hé        |
| superposition             | 叠加   | dié jiā             |
| amplitude                 | 振幅   | zhèn fú             |
| in phase                  | 同相   | tóng xiāng          |
| crest                     | 波峰   | bō fēng             |
| constructive interference | 相长干涉 | xiāng zhǎng gān shè |
| trough                    | 波谷   | bō gǔ               |
| phase difference          | 相位差  | xiàng wèi chà       |
| destructive interference  | 相消干涉 | xiāng xiāo gān shè  |
| intensity                 | 强度   | qiáng dù            |
| progressive wave          | 行波   | xíng bō             |
| stationary wave           | 驻波   | zhù bō              |
| reflected                 | 反射   | fǎn shè             |
| node                      | 波节   | bō jié              |
| antinode                  | 波腹   | bō fù               |
| antiphase                 | 反相   | fǎn xiāng           |
| energy                    | 能量   | néng liàng          |
| wavelength                | 波长   | bō cháng            |
| resonance tube            | 共鸣管  | gòng míng guǎn      |
| fundamental               | 基频   | jī pín              |
| diffraction               | 衍射   | yǎn shè             |
| obstacle                  | 障碍物  | zhàng ài wù         |
| ripple tank               | 水波槽  | shuǐ bō cáo         |
| interference              | 干涉   | gān shè             |
| coherent                  | 相干   | xiāng gān           |
| slit                      | 狭缝   | xiá fèng            |
| double-slit               | 双缝   | shuāng fèng         |
| polarisation              | 偏振   | piān zhèn           |
| path difference           | 路程差  | lù chéng chà        |
| fringe spacing            | 条纹间距 | tiáo wén jiān jù    |
| fringe                    | 条纹   | tiáo wén            |
| maximum                   | 极大   | jí dà               |
| minimum                   | 极小   | jí xiǎo             |
| diffraction grating       | 衍射光栅 | yǎn shè guāng shān  |
| normal                    | 法线   | fǎ xiàn             |
| slit spacing              | 缝间距  | fèng jiān jù        |
| order                     | 级次   | jí cì               |