

# Astronomy and cosmology

## A-Level Physics · Vocabulary

Write each word 3 times. 把每个单词抄写三遍。

| English                                                                                                         | 中文             | Write it 3 times (English) |  |  |
|-----------------------------------------------------------------------------------------------------------------|----------------|----------------------------|--|--|
|  luminosity                     | 光度             |                            |  |  |
|  power                          | 功率             |                            |  |  |
|  energy                         | 能量             |                            |  |  |
|  radiant flux<br>intensity      | 辐射通量密<br>度     |                            |  |  |
|  inverse-square law             | 平方反比定<br>律     |                            |  |  |
|  standard candle                | 标准烛光           |                            |  |  |
|  Cepheid variables              | 造父变星           |                            |  |  |
|  supernovae                   | 超新星            |                            |  |  |
|  parallax                     | 视差             |                            |  |  |
|  blackbody                    | 黑体             |                            |  |  |
|  wavelength                   | 波长             |                            |  |  |
|  temperature                  | 温度             |                            |  |  |
|  Wien's<br>displacement law   | 维恩位移定<br>律     |                            |  |  |
|  Stefan-Boltzmann<br>constant | 斯特藩-玻<br>尔兹曼常量 |                            |  |  |
|  Stefan-Boltzmann<br>law      | 斯特藩-玻<br>尔兹曼定律 |                            |  |  |

| English                                                                                                       | 中文     | Write it 3 times (English) |       |       |
|---------------------------------------------------------------------------------------------------------------|--------|----------------------------|-------|-------|
|  spectral lines              | 谱线     | _____                      | _____ | _____ |
| → redshift                                                                                                    | 红移     | _____                      | _____ | _____ |
|  recession                   | 退行     | _____                      | _____ | _____ |
| ← blueshifted                                                                                                 | 蓝移     | _____                      | _____ | _____ |
|  Hubble's law                | 哈勃定律   | _____                      | _____ | _____ |
|  Hubble constant             | 哈勃常数   | _____                      | _____ | _____ |
|  Big Bang                    | 大爆炸    | _____                      | _____ | _____ |
|  cosmic microwave background | 宇宙微波背景 | _____                      | _____ | _____ |