Physics symbols and units

|  |  |  |
| --- | --- | --- |
| symbol | meaning | unit |
| λ | wavelength | m |
| a | acceleration | m/s2 |
| B | magnetic flux density | T |
| c | specific heat capacity | J/kg°C |
| d | distance | m |
| e | extension | m |
| E | energy | J |
| Ek | kinetic energy | J |
| F | force | N |
| f | frequency | Hz |
| g | gravitational field strength | N/kg |
| h | height | m |
| I | current | A |
| k | spring constant | N/m |
| *l* | length | m |
| L | specific latent heat | J/kg |
| m | mass | kg |
| P | power | W |
| p | density | kg/m3 |
| Q | charge | C |
| R | Resistance | Ω |
| t | time | s |
| T | period | s-1 |
| v | velocity | m/s |
| V | voltage | V |
| vol | volume | m3 |
| W | weight | N |
| Wd | Work done | J |
| ϑ | change in temperature | °C |