

Units, Constants, and Conversions

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Introduction

Just throwing together some concepts and examples for later reference

1 SI Prefixes

| Symbol | Prefix | Factor |
|----------|---------------|------------------------------|
| Y | yotta- | 10^{24} |
| Z | zetta- | 10^{21} |
| E | exa- | 10^{18} |
| P | peta- | 10^{15} |
| T | tera- | 10^{12} |
| G | giga- | 10^9 |
| M | mega- | 10^6 |
| k | kilo- | 10^3 |
| h | hecto- | 10^2 |
| da | deka- | 10^1 |
| d | deci- | 10^{-1} |
| c | centi- | 10^{-2} |
| m | milli- | 10^{-3} |
| μ | micro- | 10^{-6} |
| n | nano- | 10^{-9} |
| p | pico- | 10^{-12} |
| f | femto- | 10^{-15} |
| a | atto- | 10^{-18} |
| z | zepto- | 10^{-21} |
| y | yocto- | 10^{-24} |

Table 1: SI Prefixes

