

Define a quantity from scalars and units:

```
>>> from astropy import units as u
>>> 15.1 * u.m / u.s
<Quantity 15.1 m / s>
```

Convert a distance:

```
>>> (1.15e13 * u.km).to(u.pc)
<Quantity 0.372689618289 pc>
```

Make use of the unit equivalencies:

```
>>> e = 130. * u.eV
>>> e.to(u.Angstrom, equivalencies=u.spectral())
<Quantity 95.37245609234003 Angstrom>
```

Combine quantities:

```
>>> x = 1.4e11*u.km / (0.7*u.Myr) / (4.1e11*u.s)
<Quantity 0.487804878049 km / (Myr s)>
```

Convert to SI units:

```
>>> x.si
<Quantity 1.54576038117e-11 m / s2>
```

Convert to CGS units:

```
>>> x.cgs
<Quantity 1.54576038117e-09 Gal>
```