# Masses and radii of some White Dwarf stars

| | $M/M_\odot$ | $R/R_\odot$ | $RM^{1/3}$ |
|---|---|---|---|
| Sirius B | 1.03 | 0.0074 | 6.6 x $10^{16}$ |
| Stein 2051B | 0.48 | 0.011 | 7.6 |
| 40 Eri B | 0.43 | 0.0124 | 8.2 |
| EGGR 46 | 0.6 | 0.01 | 7.4 |
| Procyon B | 0.59 | 0.096 | 7.1 |

$M_\odot = 2.0 \times 10^{30}$ kg $\quad R_\odot = 7.0 \times 10^{8}$ m

- The product $RM^{1/3}$ is approximately constant
- White dwarves seem to all have masses less than ~1 solar mass
- Note that these radii are ~ radius of Earth