

# THE SOLAR NUMBER

$$S_u = \frac{\text{annual human power usage}}{\text{annual incident solar power}} \approx \frac{\text{lightbulb}}{\text{sun} \rightarrow \text{earth}} \approx \frac{20 \text{ TW}}{2 \times 10^5 \text{ TW}} \approx 0.0001$$