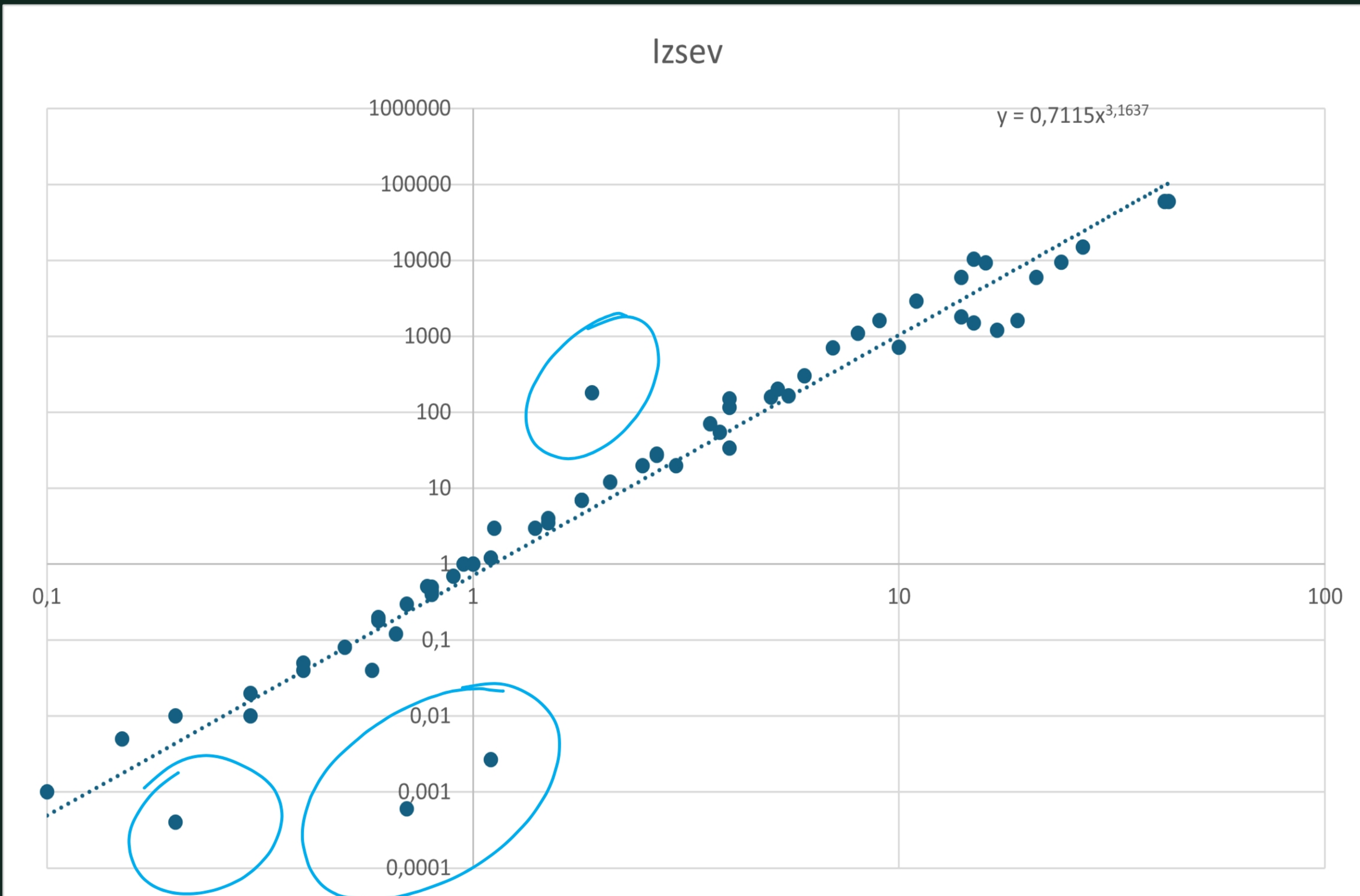


$\log(\text{izsev})$

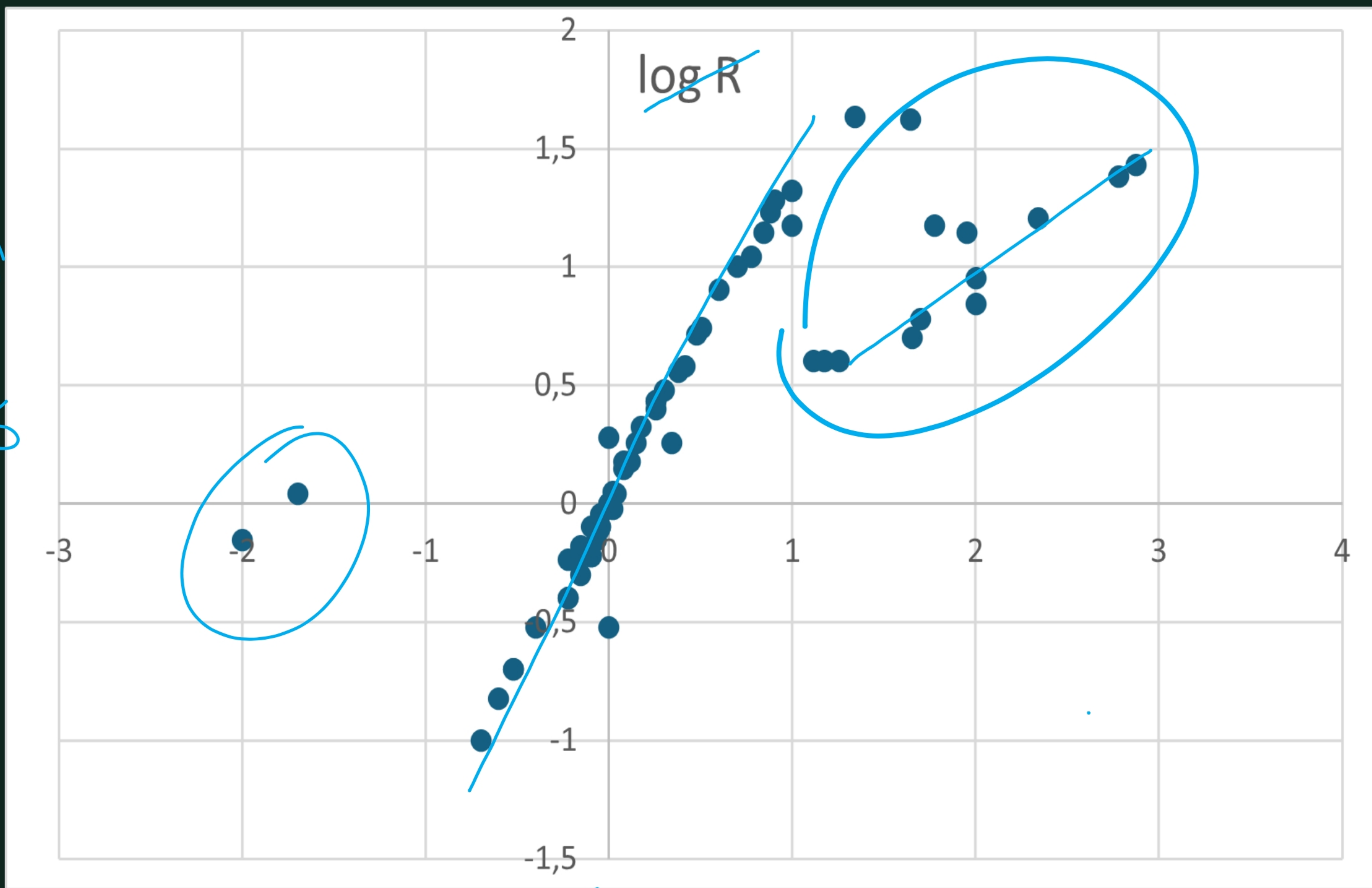


$\log(\text{masa})$

$$L \propto M^{3,2}$$

- odstopanja:  
previsok ali premizek  
izsev

$\log(M/M_0)$



$\log(R/R_0)$

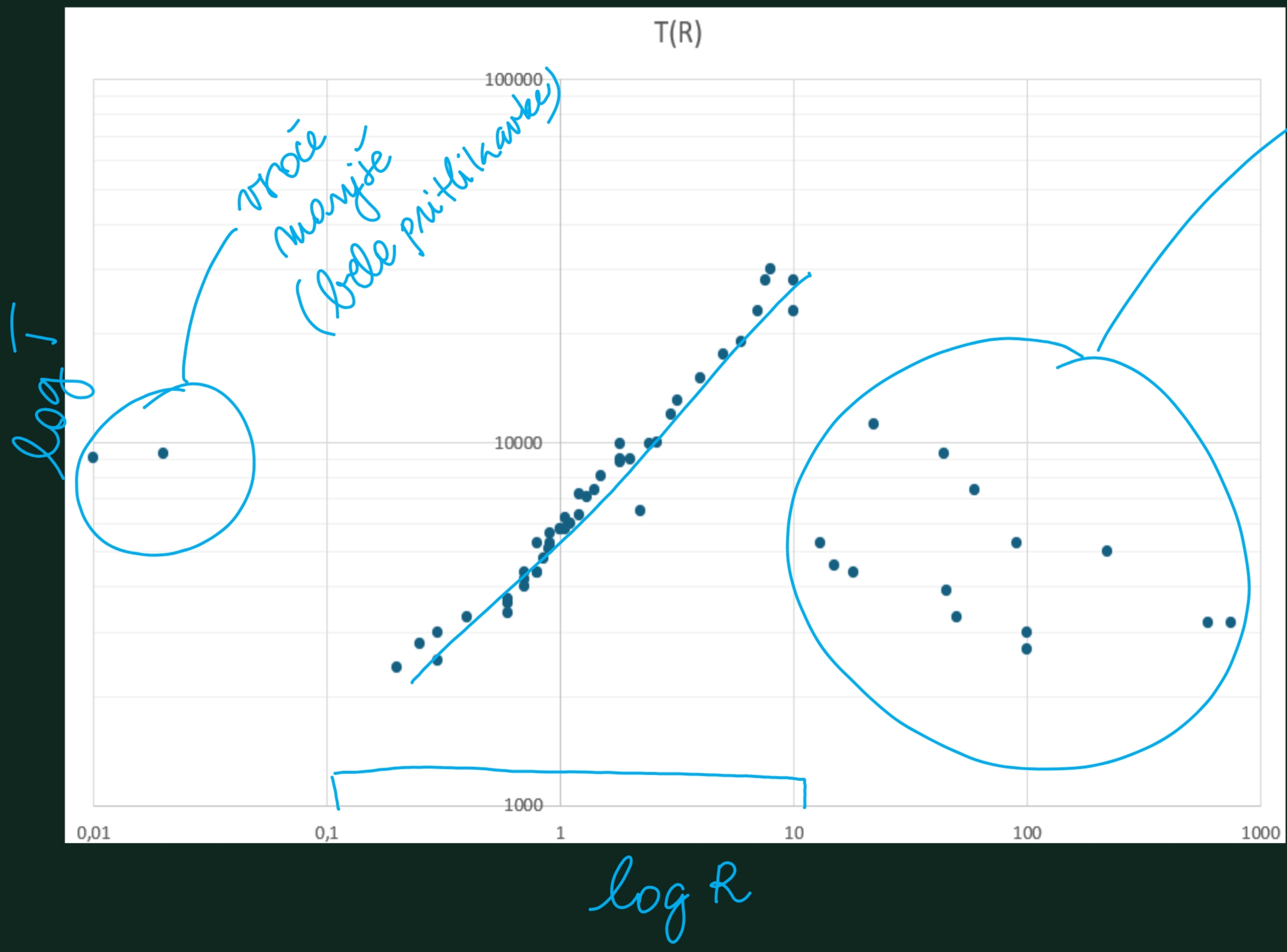
$$\frac{M}{M_0} \propto \left(\frac{R}{R_0}\right)^{4/3}$$

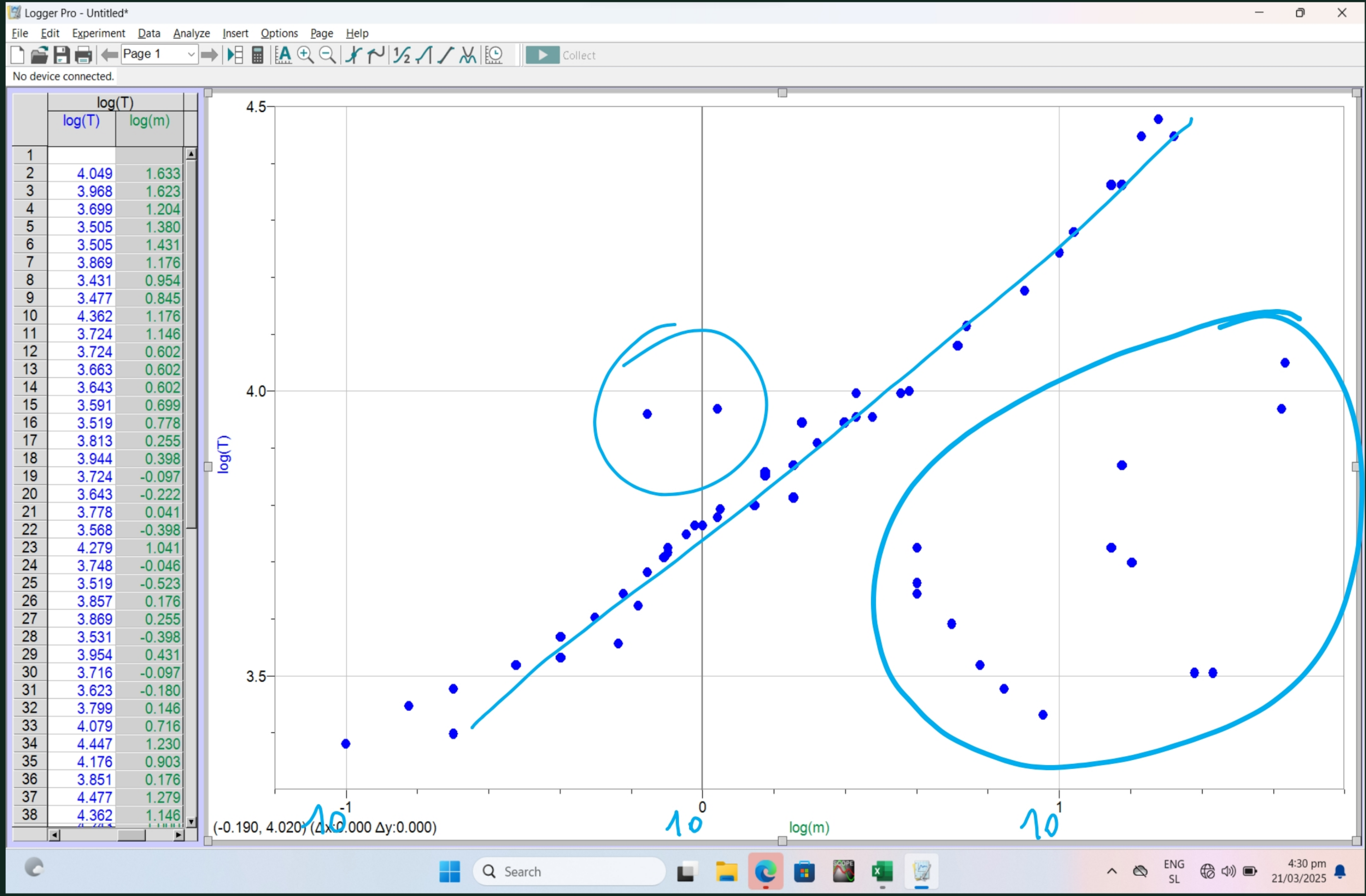
- odstopanja za zelo velike in zelo majhne zvezde

$$M \propto R^3$$

$$\log M \propto 3 \log R$$

v primeru konstantne gostote

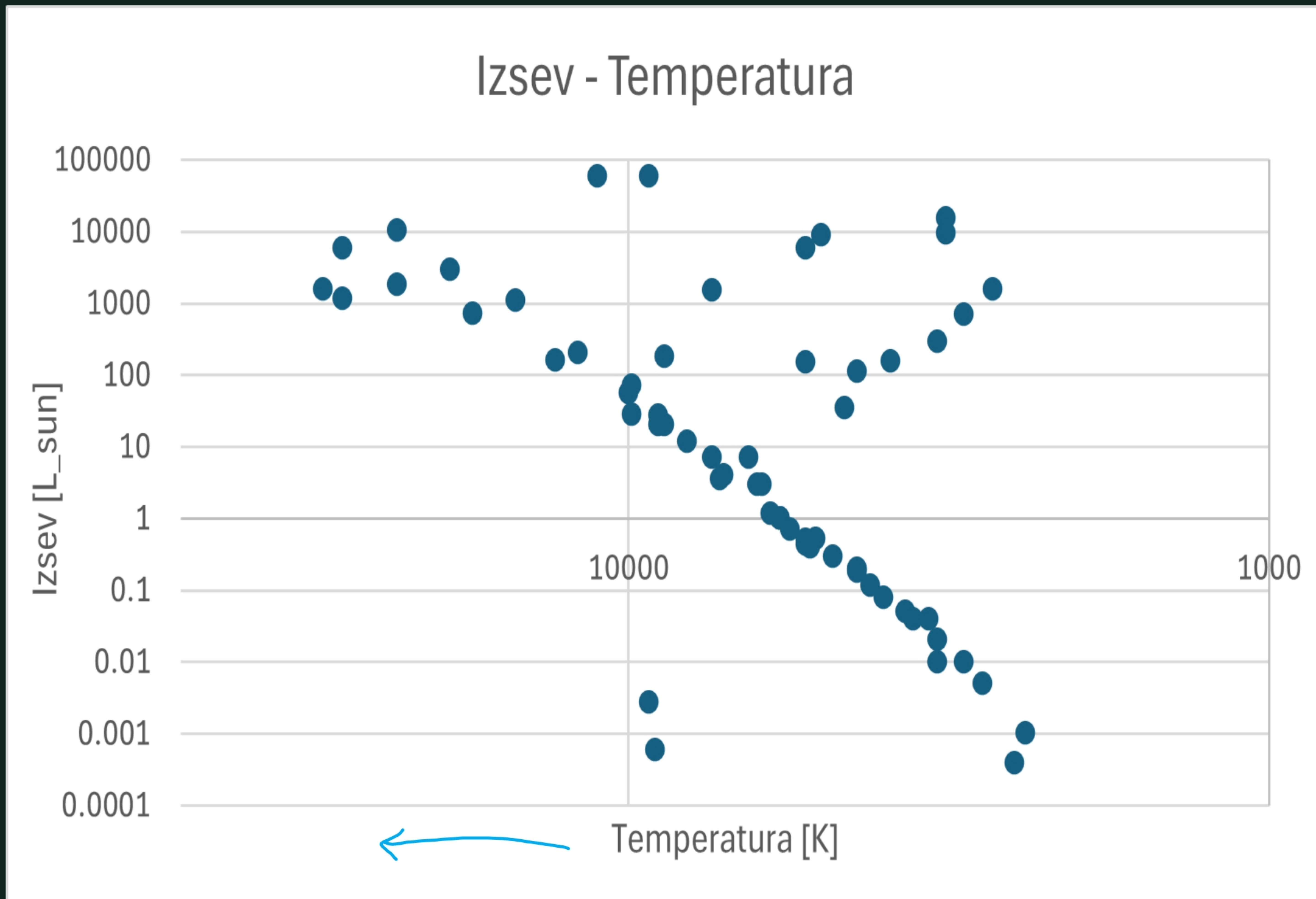




$$T \propto M^{1/2}$$

$$T^2 = \left( \frac{L}{4\pi\sigma} \right)^{1/2} \frac{M}{R}$$

Stefanov zakon



$$L \propto T^7$$

$$L = 4\pi R^2 \sigma T^4$$

$$\log L = 4 \log (R \cdot T)$$

$$\text{in } T \propto R^{0,68}$$

$$L \propto T^{6,8}$$

### Izsev - Temperatura

