



FIC-R CIE

La escala del Sistema Solar

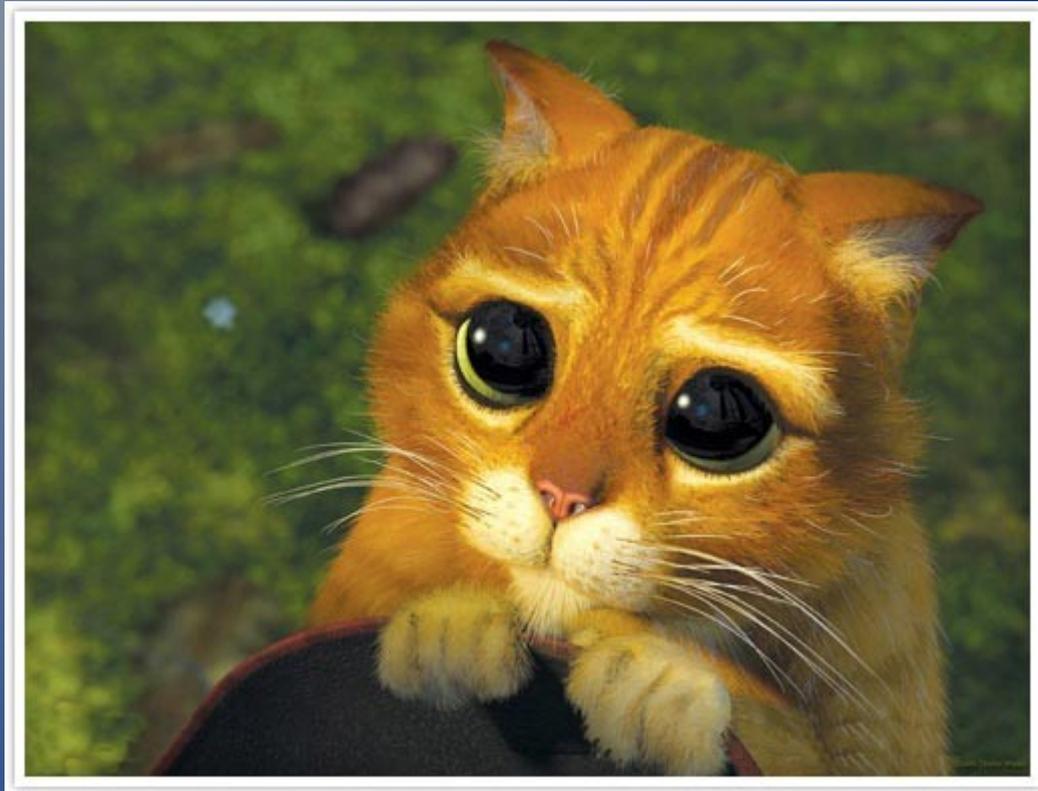


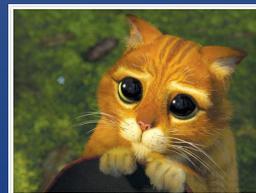
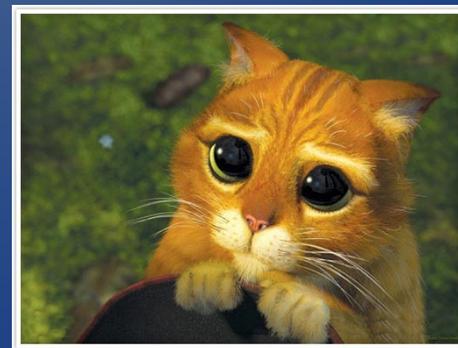
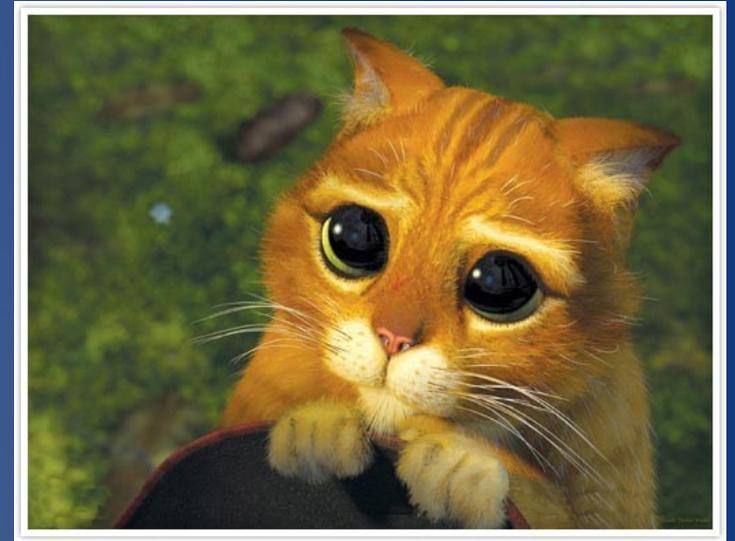
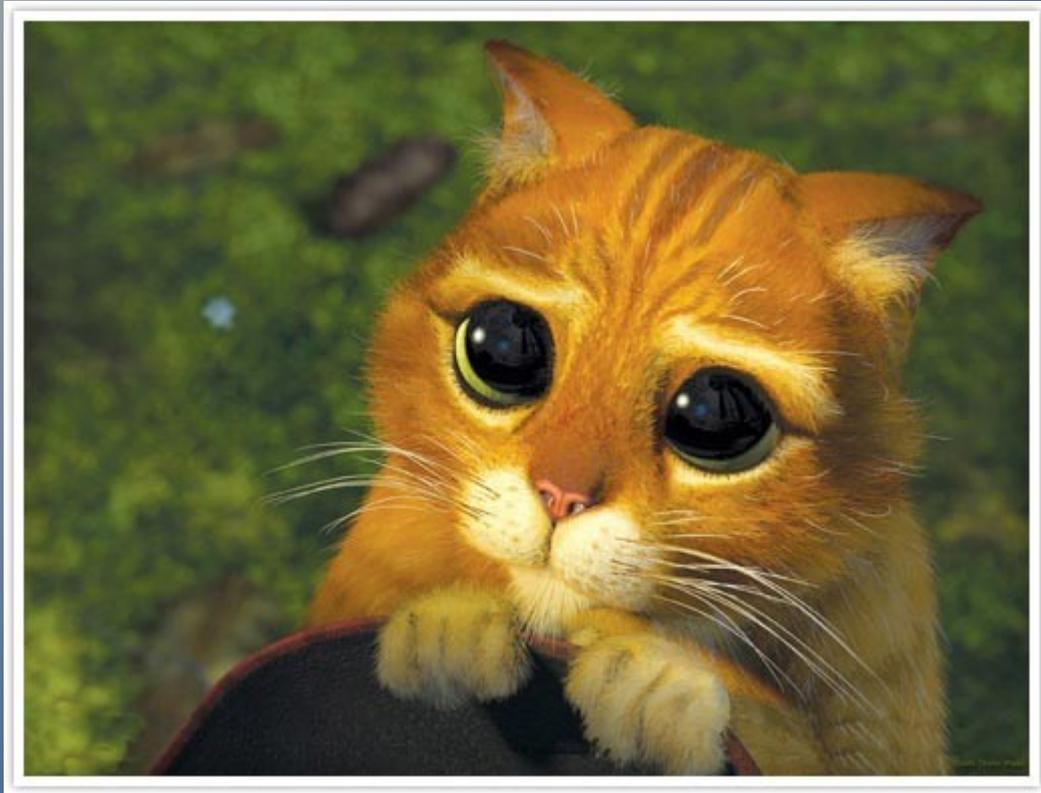
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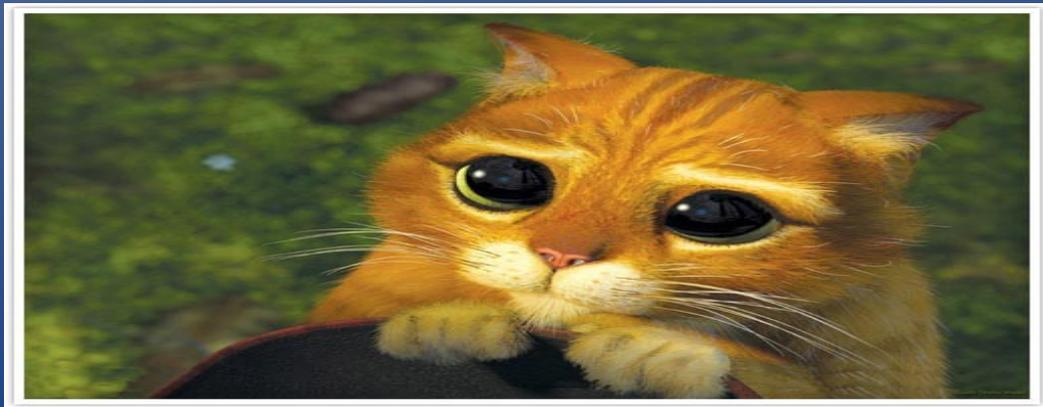
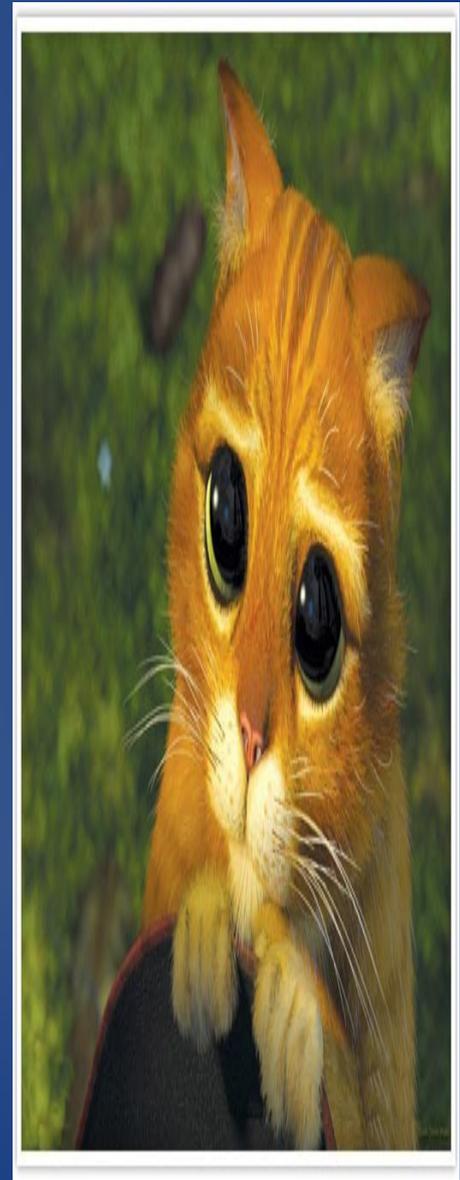
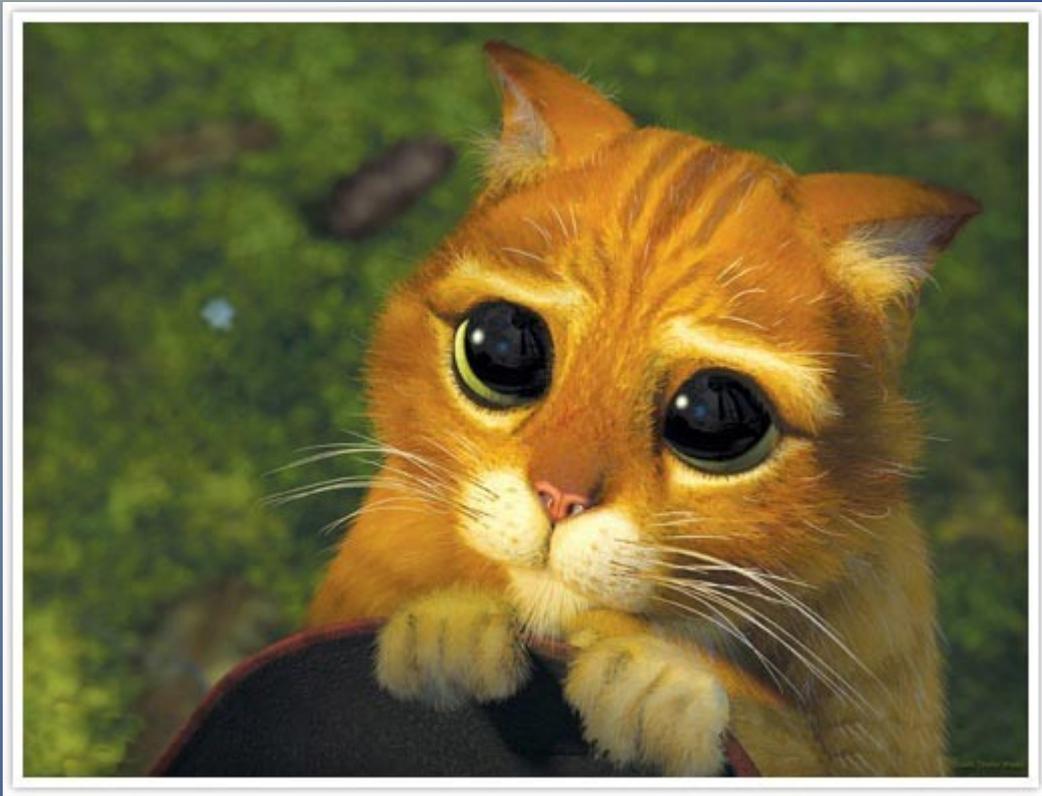
Universidad de Antofagasta

Centro de Innovación Educativa













La palabra clave es...
proporción



Francesco de Zurbaran



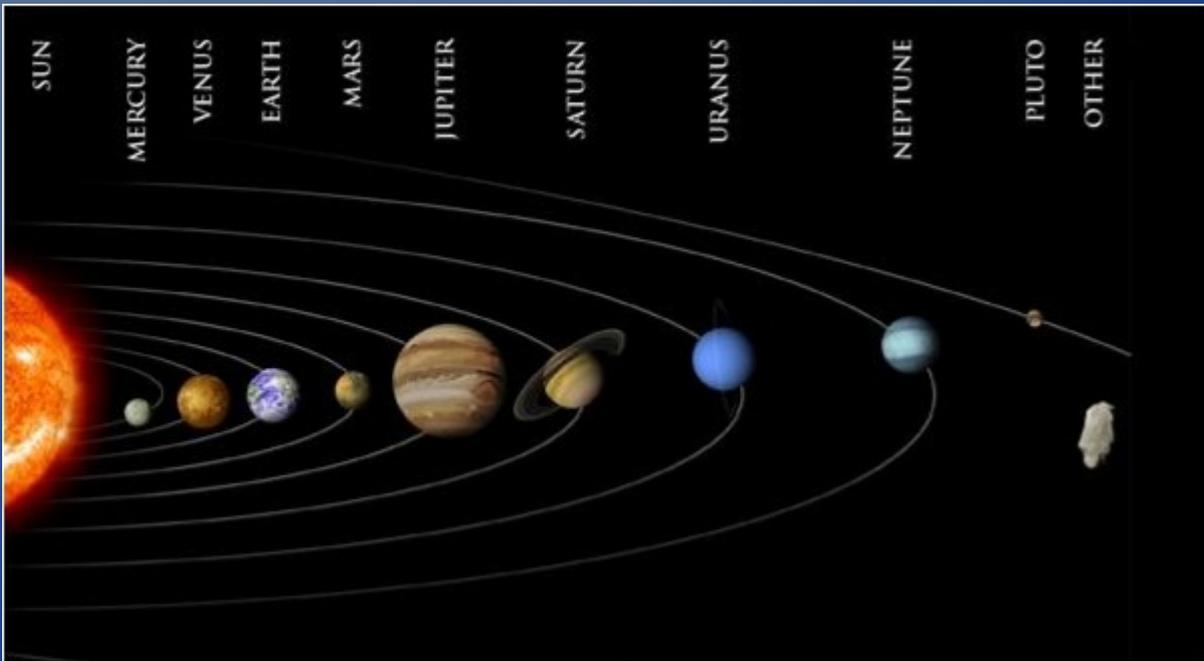
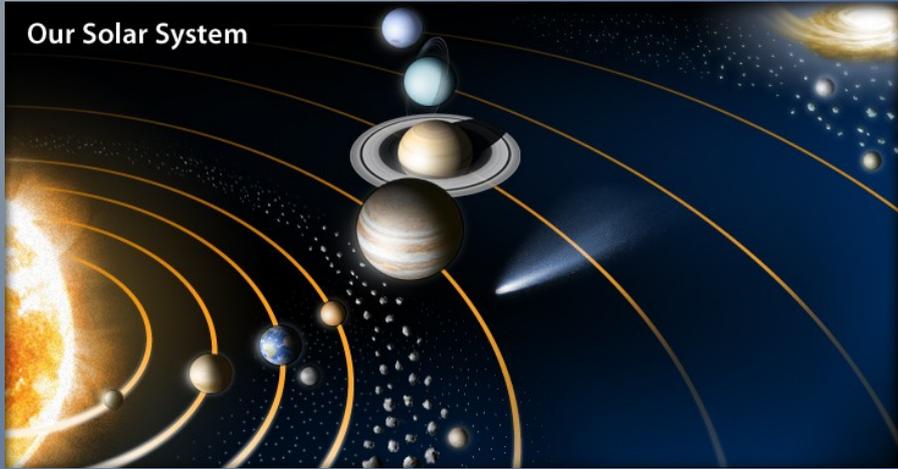
El Greco



Leonardo Da Vinci



Fernando Botero



¿Será correcta la proporción
que vemos en esas imágenes?

Fórmulas para calcular distancias y diámetros a escala

$$d_{\text{modelo}} = d_{\text{real}} \times \left(\frac{L_{\text{modelo}}}{L_{\text{real}}} \right)$$

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Objeto del Sistema Solar	Distancia desde el Sol (km)	Diámetro (km)
El Sol	0	1391000
Mercurio	57895200	4800
Venus	108160800	12100
Tierra	149600000	12750
Marte	227990400	6800
Júpiter	778368800	142800
Saturno	1424640800	120660
Urano	2873516800	51800
Neptuno	4501015200	49500



