

(Desarrolle sus respuestas y **cuide la presentación.** )

## I Random Fractals.

- Check the maps available in the Skyview Virtual Observatory.
- Using the recipe described in class, generate simulations of the 100  $\mu\text{m}$  emission from the ISM, choosing adequate values for whatever constants you may need.
- Estimate power spectra for observed maps.
- Compare qualitatively a simulated with an observed one.

## II Microscopic processes.

Solve all problems in Chapter 3 of Dyson & Williams.