GEO111 – NUMERICAL SKILLS IN GEOSCIENCE

week #06: zero-D / equilibrium numerical modelling

31st October 2016 ... whooooooooo ... spooky ...

Work plan

The plan for the lab work is:

1. Work through Section 8.1 (of Chapter #8), on 'zero-D Energy-balance climate model[ing]', file: **GEO111_ch8.pdf**.

Learning goals (aka: 'what specifically should I have got to grips with?')

Topics and methodologies you should be familiar with:

- Creating and understanding nested loops.
- The concept of parameter sensitivity exploration in numerical models.
- Translating scientific concepts (here: physics equations) into code.
- Use of functions (sub programs) in computer programming (/ numerical modelling).

specific MATLAB commands you should be familiar with:

- `mod` (and `fopen` and `fclose`)