

# HW Template

Alessandro Mordasiewicz – amordasi@purdue.edu

Due:

## Problem 1

This is an example image:

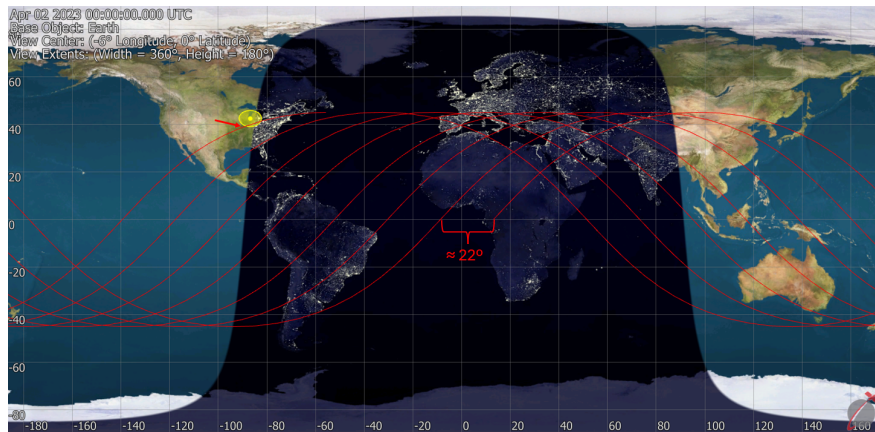


Figure 1: Example image

Here I am citing the Figure 1  
Hello

## Problem 2

This is an example matlab code box thing:

lucas.m

```
1 function L = lucas(n)
2 % LUCAS Lucas sequence
3 % L = LUCAS(n) computes the first n Lucas numbers
4 %
5 % INPUTS
6 %   n : number of Lucas numbers to computer
7 %       (must be a positive integer)
8 %
9 % OUTPUTS
10 %   L : nx1 vector of computed Lucas numbers
11
12 L = zeros(n,1);
13 L(1) = 2;
14 L(2) = 1;
15
16 for i = 3:n
17     L(i) = L(i - 1) + L(i - 2);
18 end
```

Prob will add different things later on