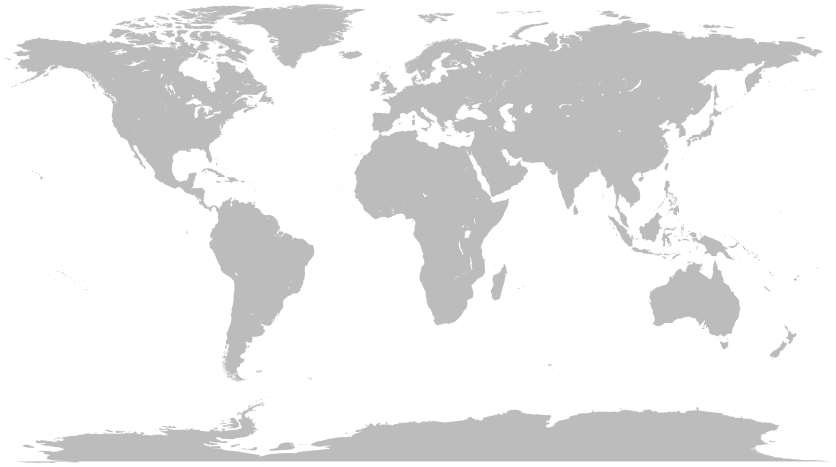
Nostoi

a functionality that lets you *go home*

April 26, 2019

Point a finger on the world map choosing your starting city a:



Construct the *isotherms* with respect to a cost function

$$\mathsf{mana}(a,b) = \mu(a,b) + \Delta d(a,b) + \Delta t(a,b) + f(a,b)$$

where

- μ is the expense of the trip from a to b;
- Δd is the (orthodromic) distance $\widehat{ab}$;
- Δt is the minimal flight time from a to b;
- f accounts for the frequency of flights in the range 00:00 - 23:59;

A further meaningful quantity associated to the trajectory $\widehat{ab}$ is the *symmetry* $\varrho(a,b)$; it measures how symmetric the "distance" between a, b is according to (something similar to) a sigmoid function of the mana.