

Travaux pratique, Intelligence artificielle

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Introduction

0.1 Section avec figure

To have an environment generating a distortion we have to had two different medium with a transparent separation.

cf. figure 1

FIGURE 1 – optique

FIGURE 2 – Class diagram : System

0.2 Section avec formule mathématique

The angles θ_i and θ_t can be obtained from Snell's law

$$n_i \sin(\theta_i) = n_t \sin(\theta_t)$$

with

n_x : IOR of the medium

θ_x : angle of the ray in the medium

0.3 Code

```
C = [  
    -1,0;  
    0,-1;  
    300,600;  
    900,1200;  
    300 300];  
b = [0;0;4800000;10800000;3300000];  
p = [-50;-80] ;  
  
[x,lagr,f]=linpro(p,C,b)
```