The axis are defined by the initial rays position. It is defined as

Fresnel Propagator Transfer Function

There are two different solvers, depending if the parater m is explicited. m sets the size of the grid

$$m = \frac{\delta_2}{\delta_1} \tag{1}$$

Refractive index of a dispersive medium

Refractive index is calculated with the Sellmeier formula,

$$n^2\left(\lambda\right) = 1 + \sum_i \frac{B_i \lambda^2}{\lambda^2 - C_i} \tag{2}$$

implemented until the third order of the summarization. Sellmeier coefficients are tabulated in but can be retrieved elsewhere in literature.

The Sellmeier equation is implemented in the function Sellmeier()

For not-implemented materials, it is possible to use the "custom" material whose coefficients can be declared launching the Sellmeier function.

Listing 1: Un codice in display.

```
for i:=maxint to 0
do begin { non far nulla }
end;
write( Benvenuto in Pascal.   );
```