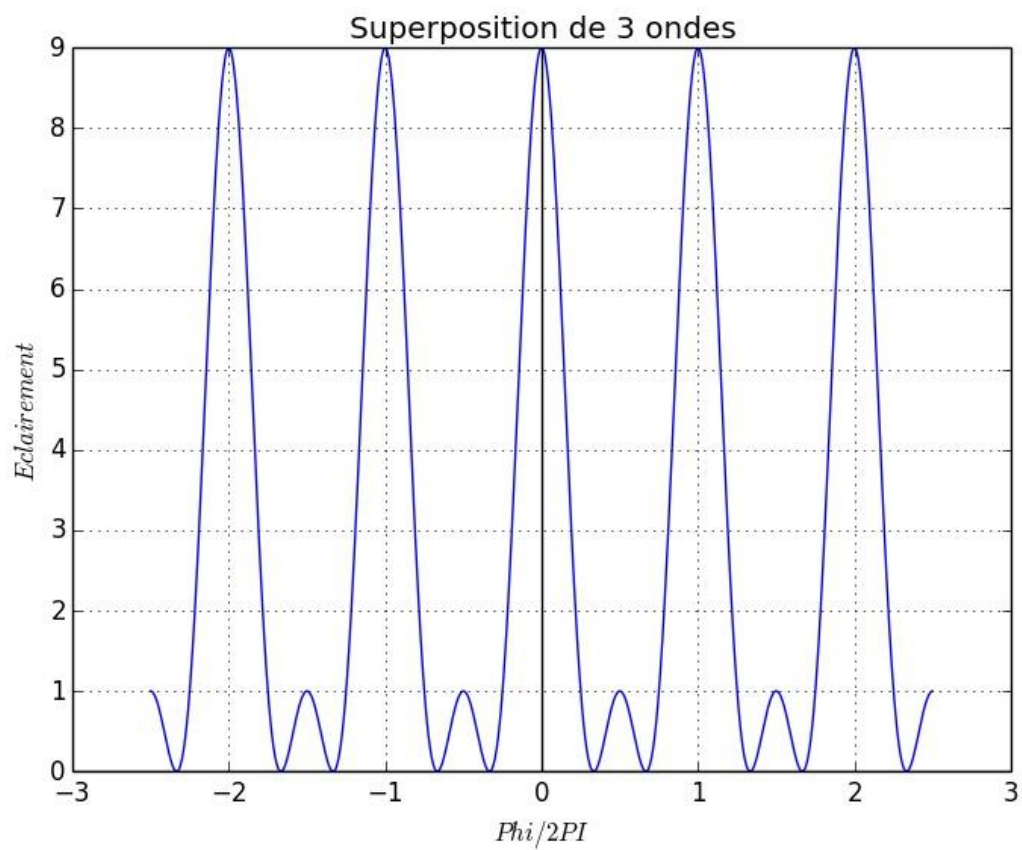
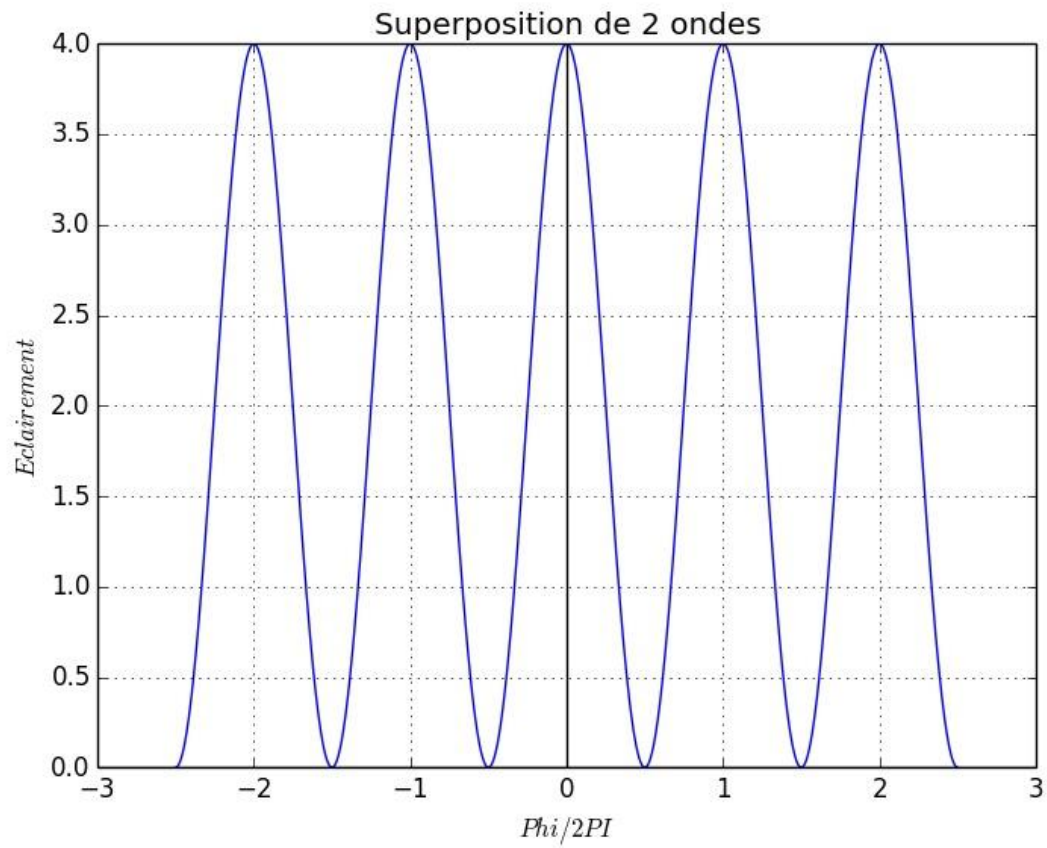
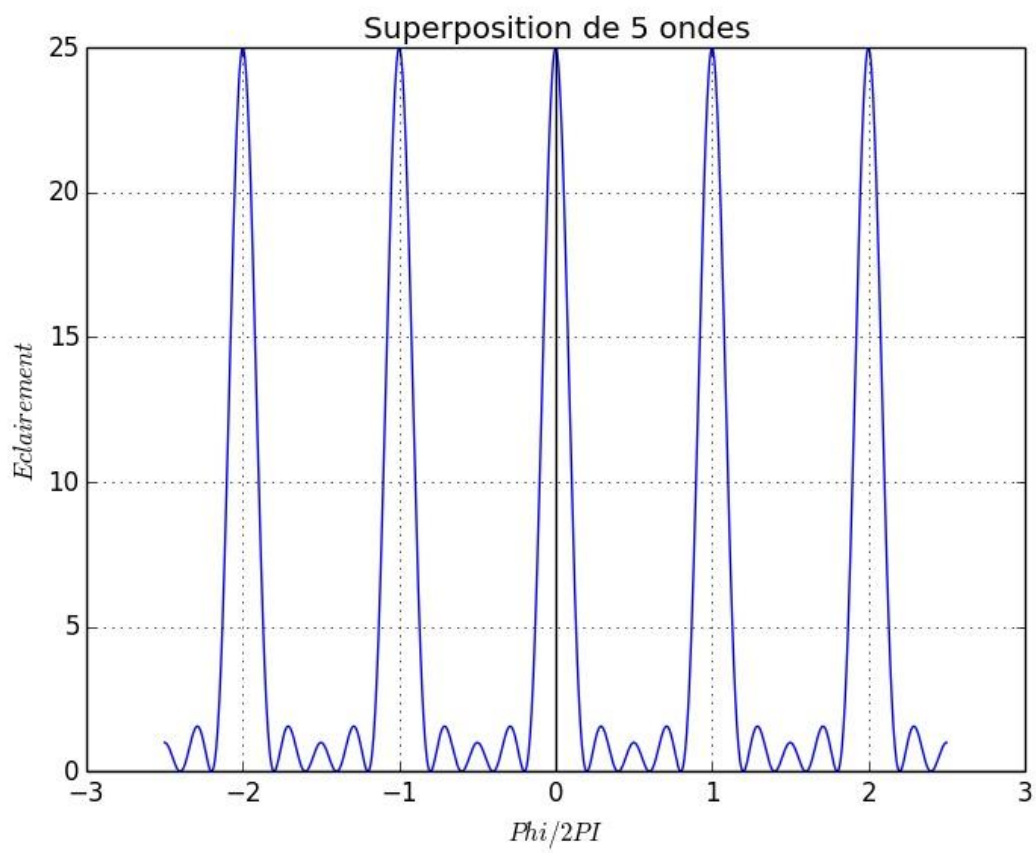
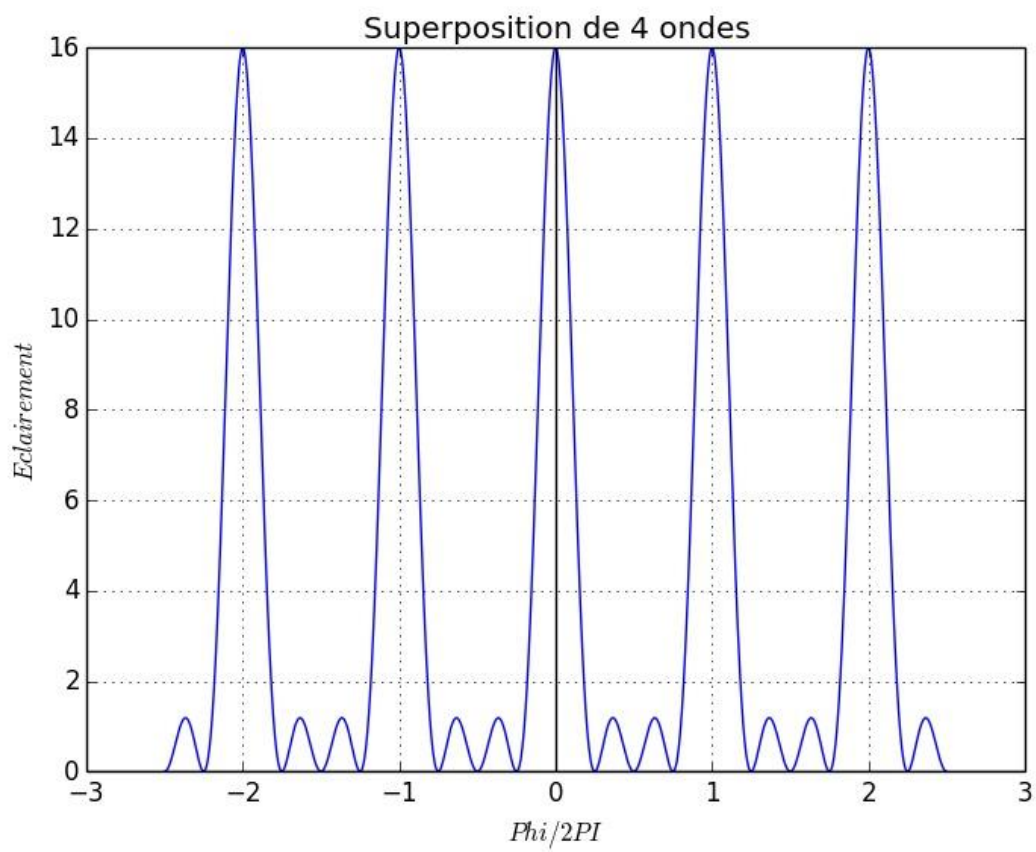
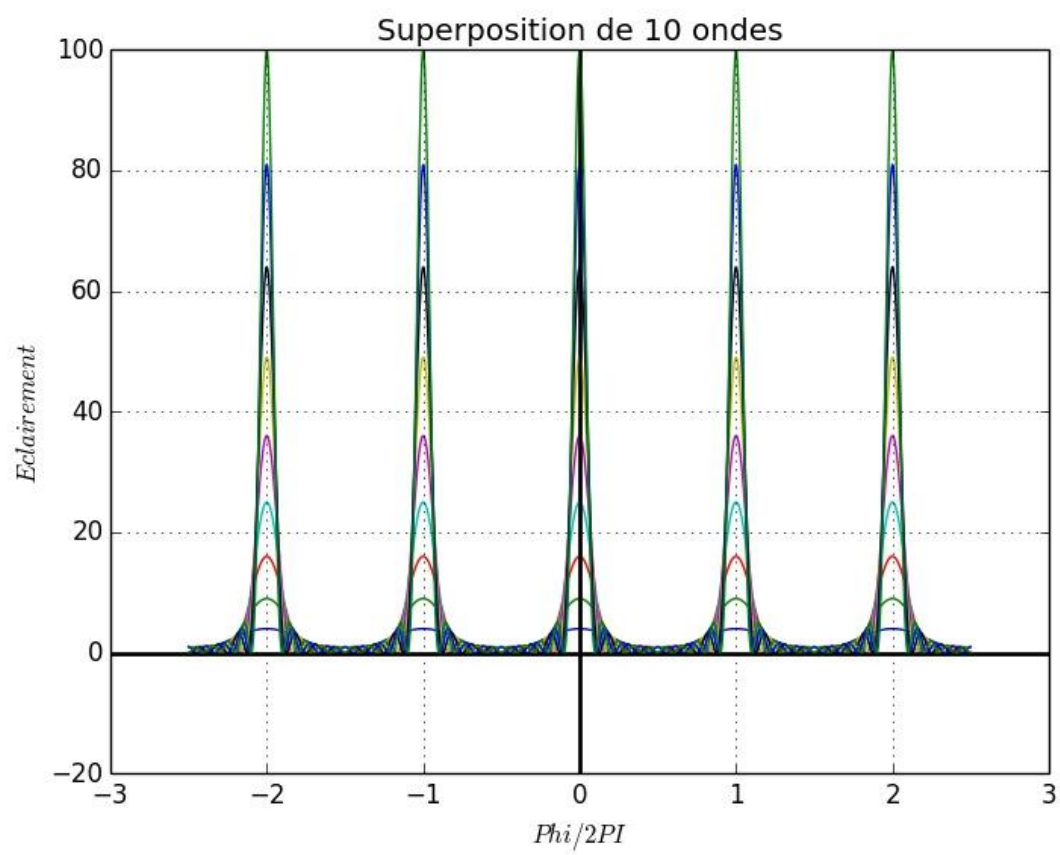
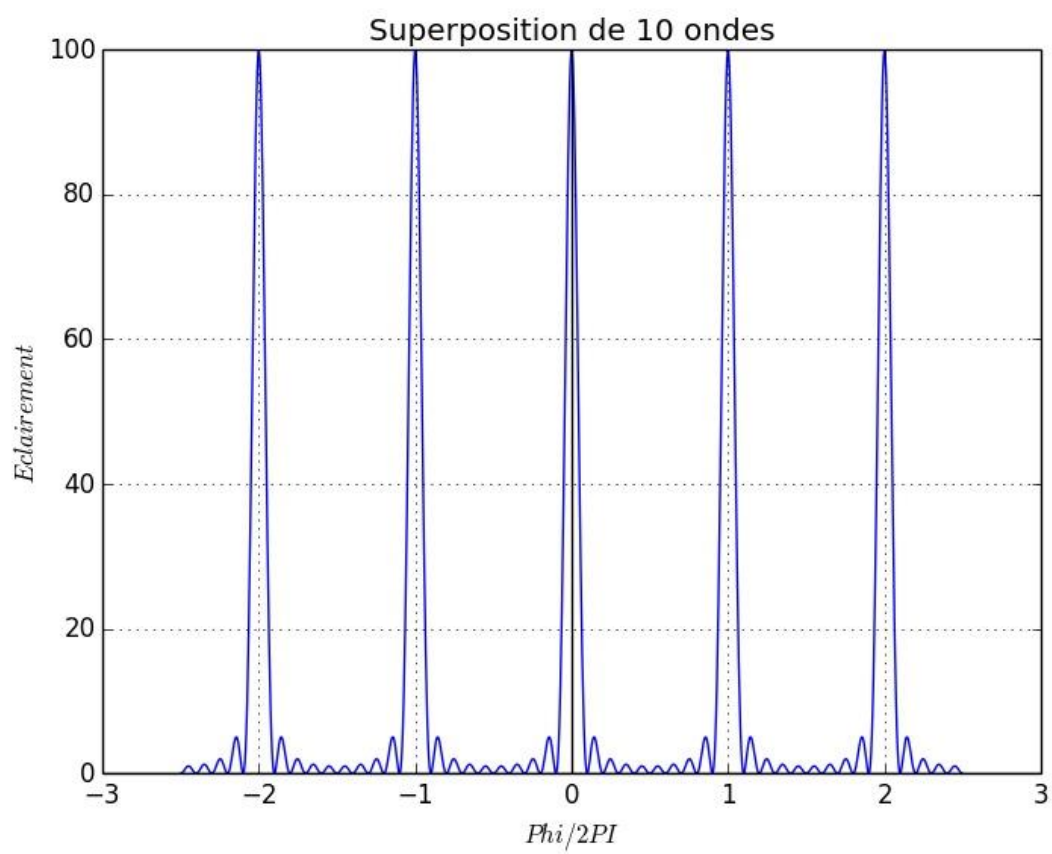
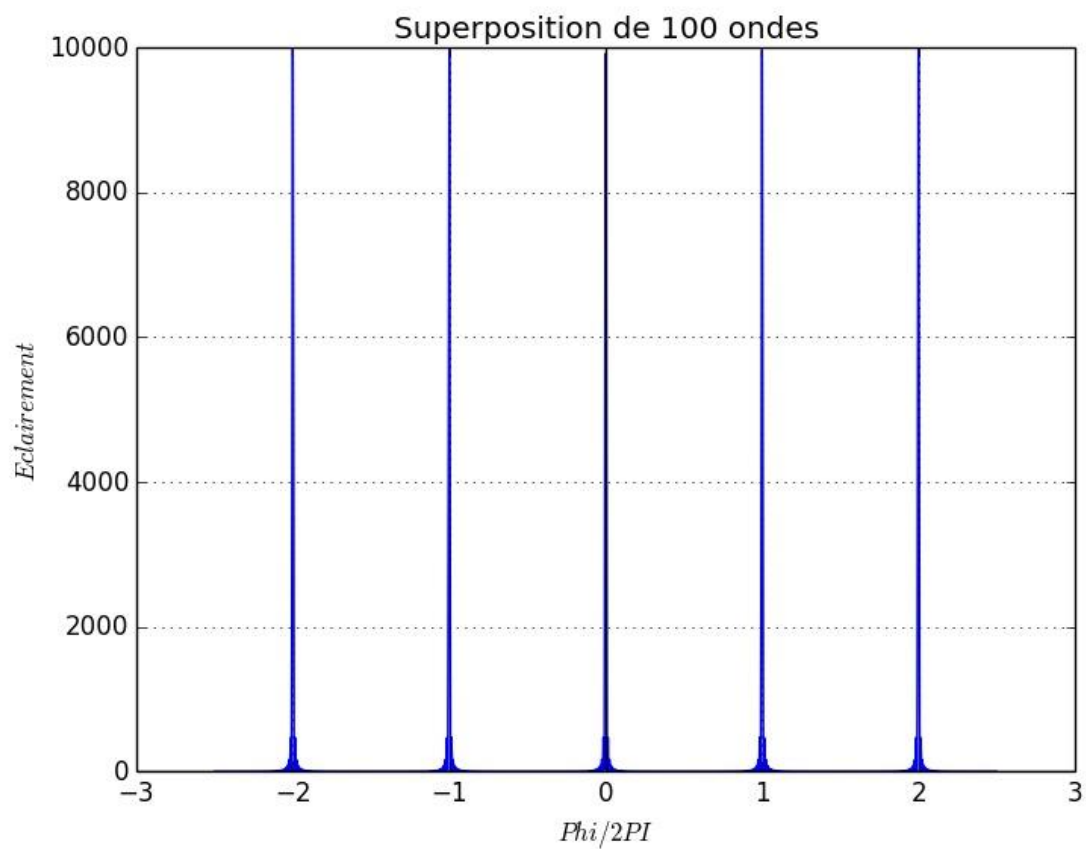
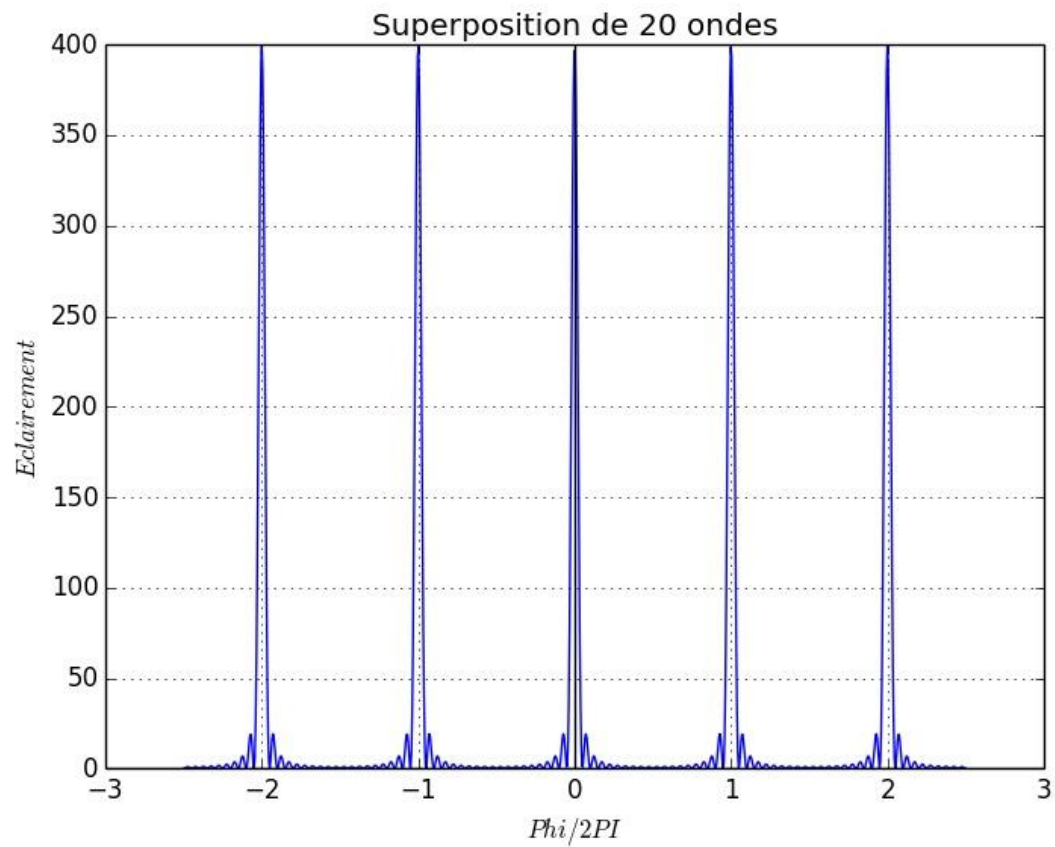


Éclairement total pour une superposition de N ondes cohérentes





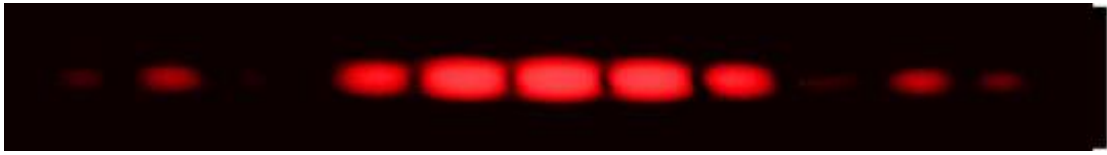




- Les franges brillantes sont au même endroit quelle que soit la valeur de N
 - L'éclairement maximal varie en N^2
 - Les franges sont d'autant plus étroites que N est grand

Figure d'interférences à N ondes

$N = 2$ ondes



$N = 3$ ondes



$N = 4$ ondes



$N = 5$ ondes

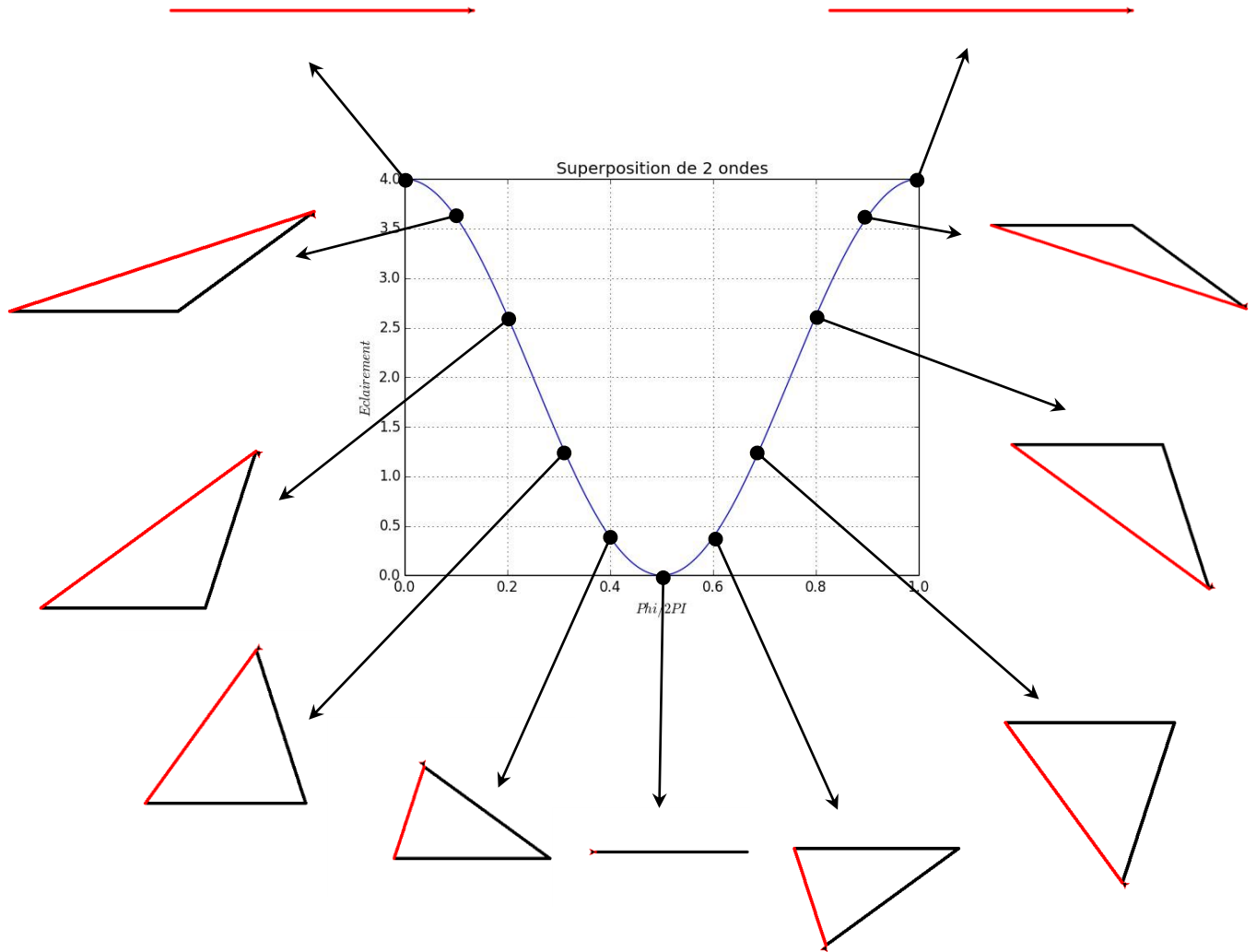


$N > 10$ ondes



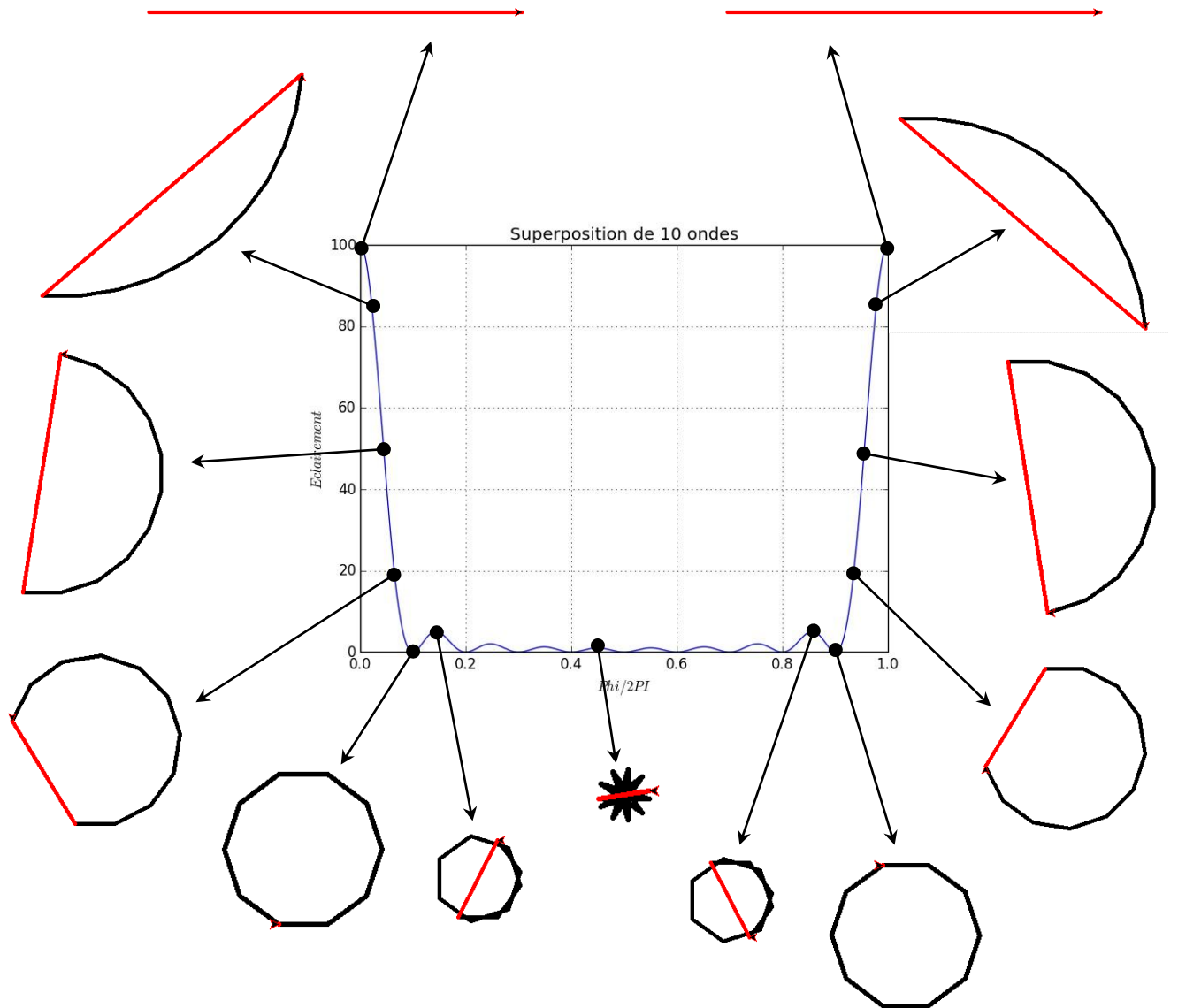
Construction de Fresnel

Superposition de 2 ondes



Construction de Fresnel

Superposition de 10 ondes



Construction de Fresnel

Demi-largeur des franges brillantes

