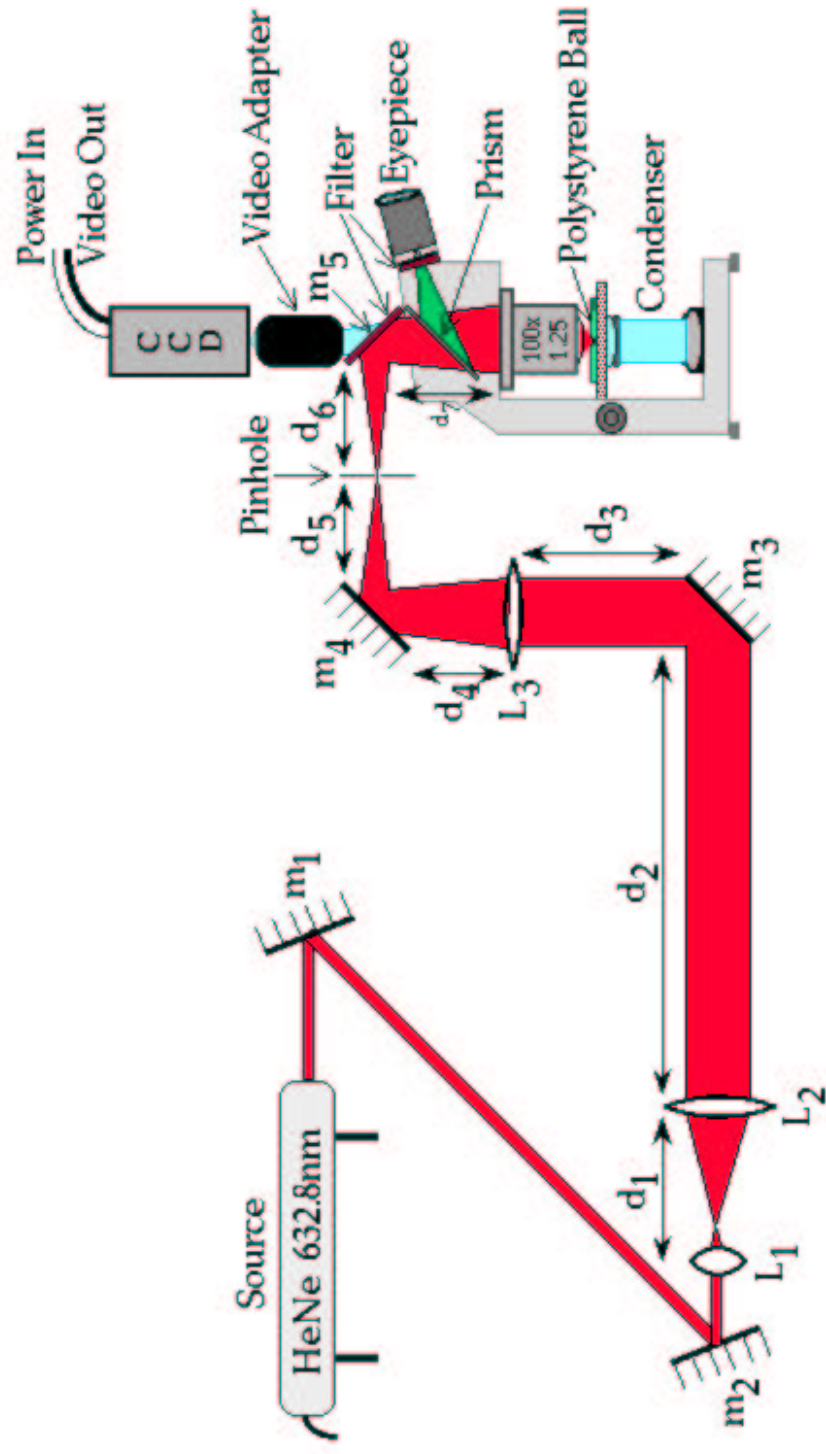
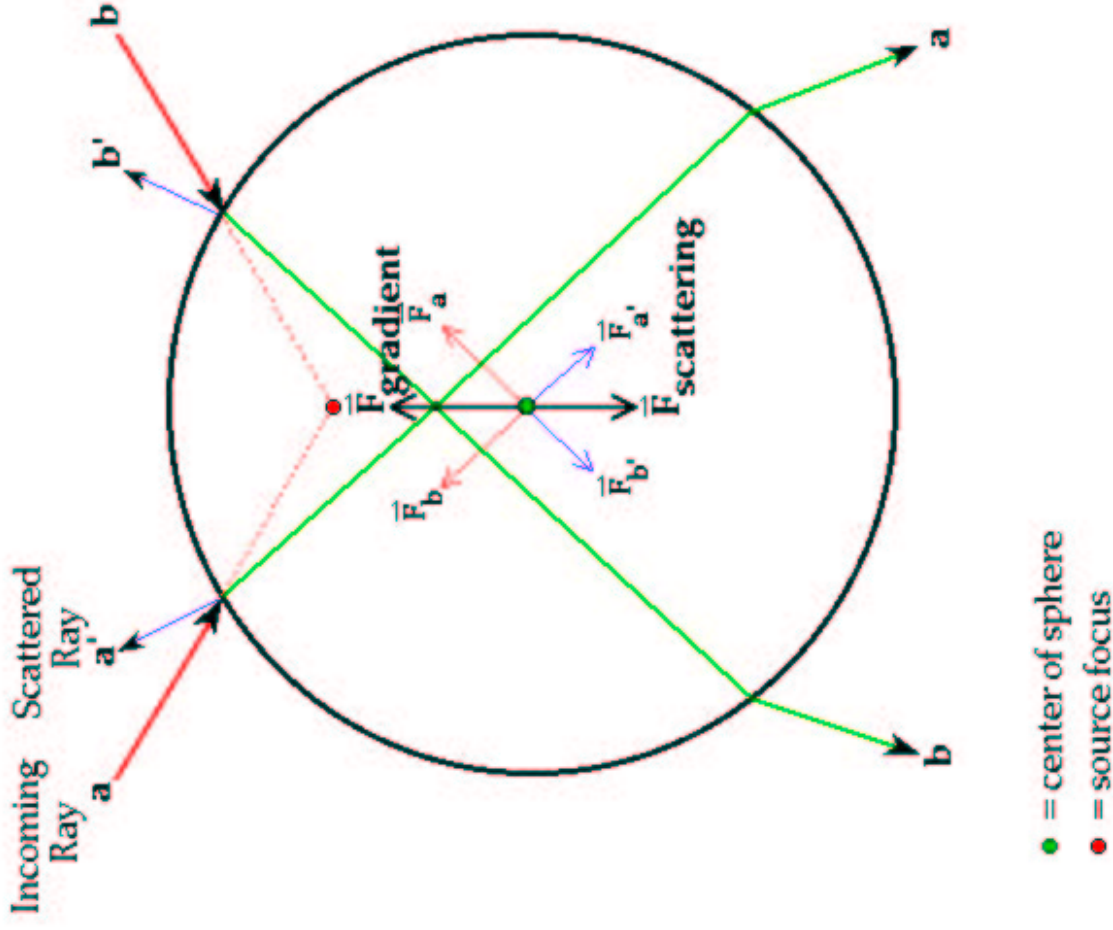


Montage de pinces optiques



Principe du piégeage

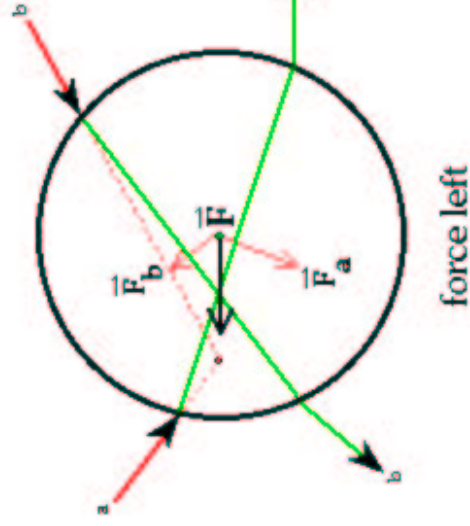
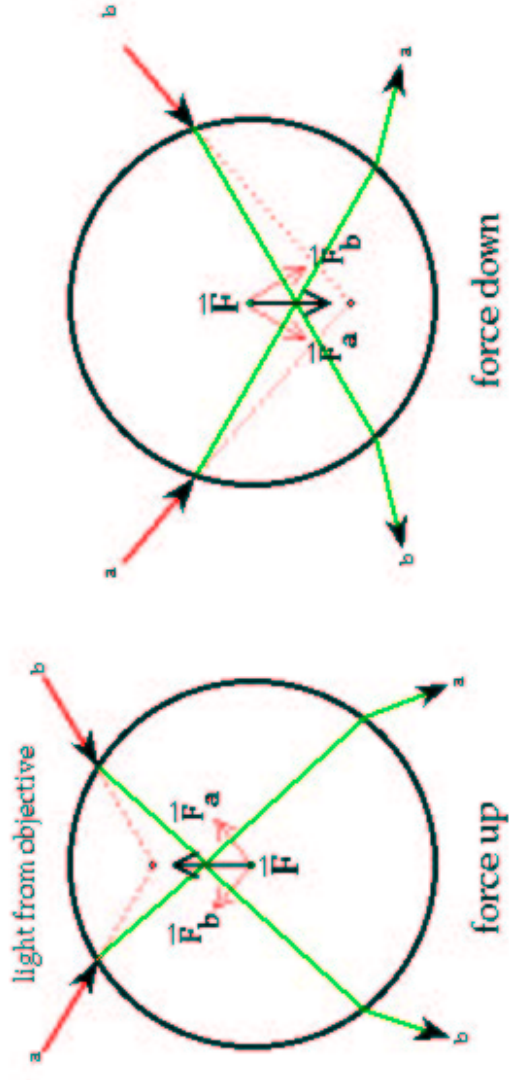
How Do Tweezers Trap Particles?
Gradient Force vs Scattering Force



- Diffraction : force stabilisante
- Réflexion : force déstabilisante

Piège 3D

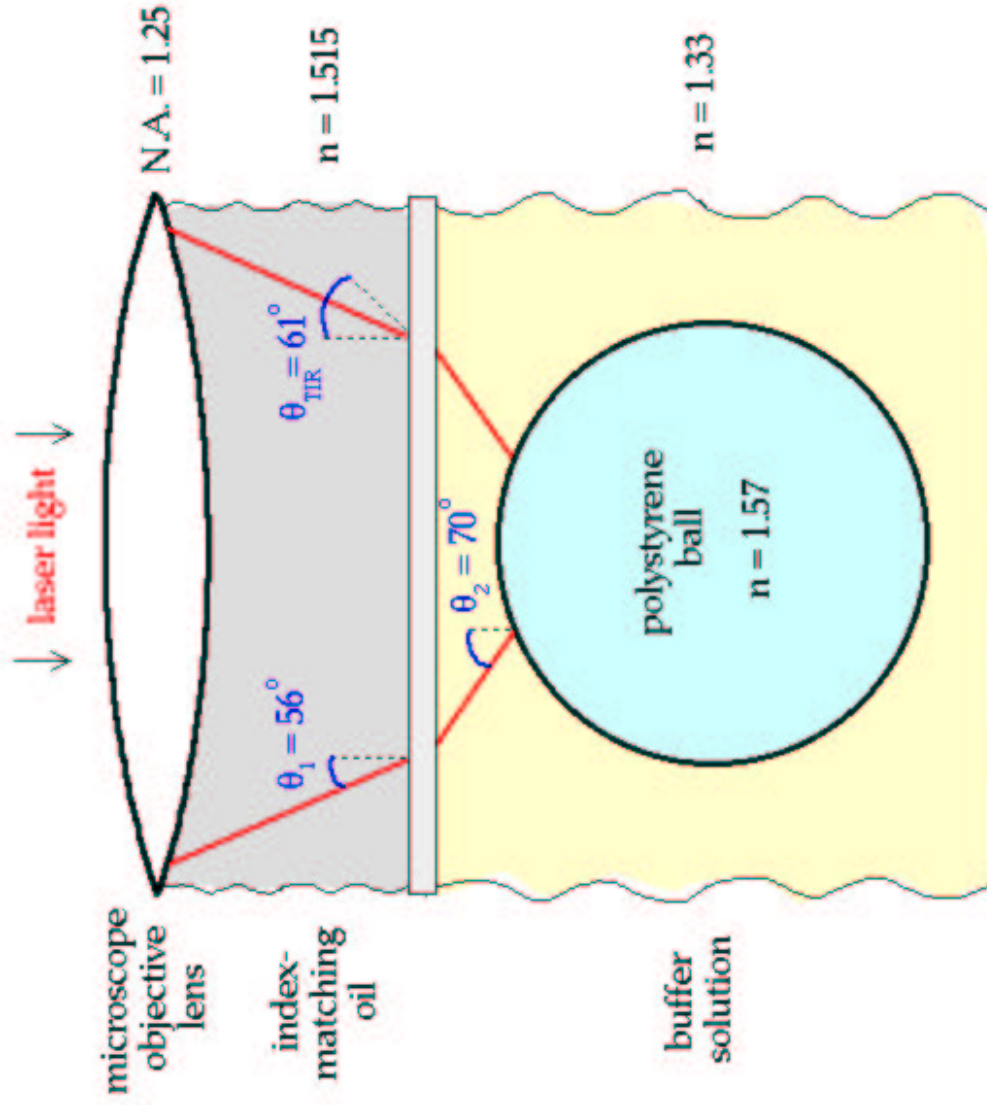
Sphere Is Pushed Toward Focus



- = center of sphere
- = source focus
- $\vec{F}$ = gradient force

Objectif à immersion à huile

Closeup on Sample

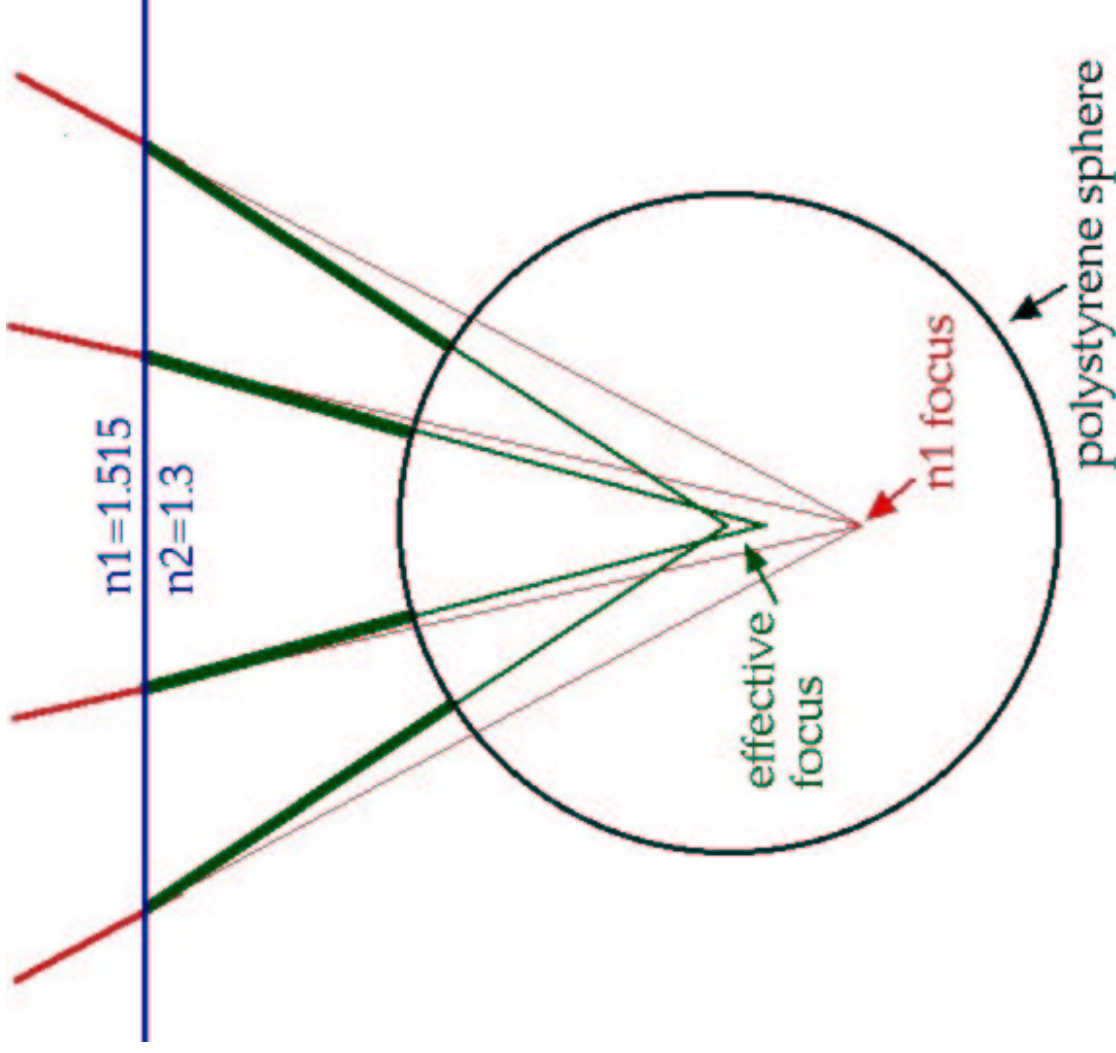


n = index of refraction

N.A. = numerical aperture

TIR = total internal reflection

Aberration du diôptre plan pour les objectifs à immersion à huile



Pas de problème d'aberration avec un objectif à immersion à eau