```
(*source: Murphy*)
nm = 10^-9;
n = 1.4;(*refractive index*)
na = 1.1; (*numerical aperture of the objective*)
λ = 800;(*excitation? wavelength*)
(*optical lateral resolution*)
```

$$0.325 \frac{\lambda}{\sqrt{2}} na^{0.91}$$

```
(*optical axial resolution*)
```

$$0.532 \frac{\lambda}{\sqrt{2}} \left(\frac{1}{n - \sqrt{n^2 - na^2}} \right)$$

```
200.505

563.594
```