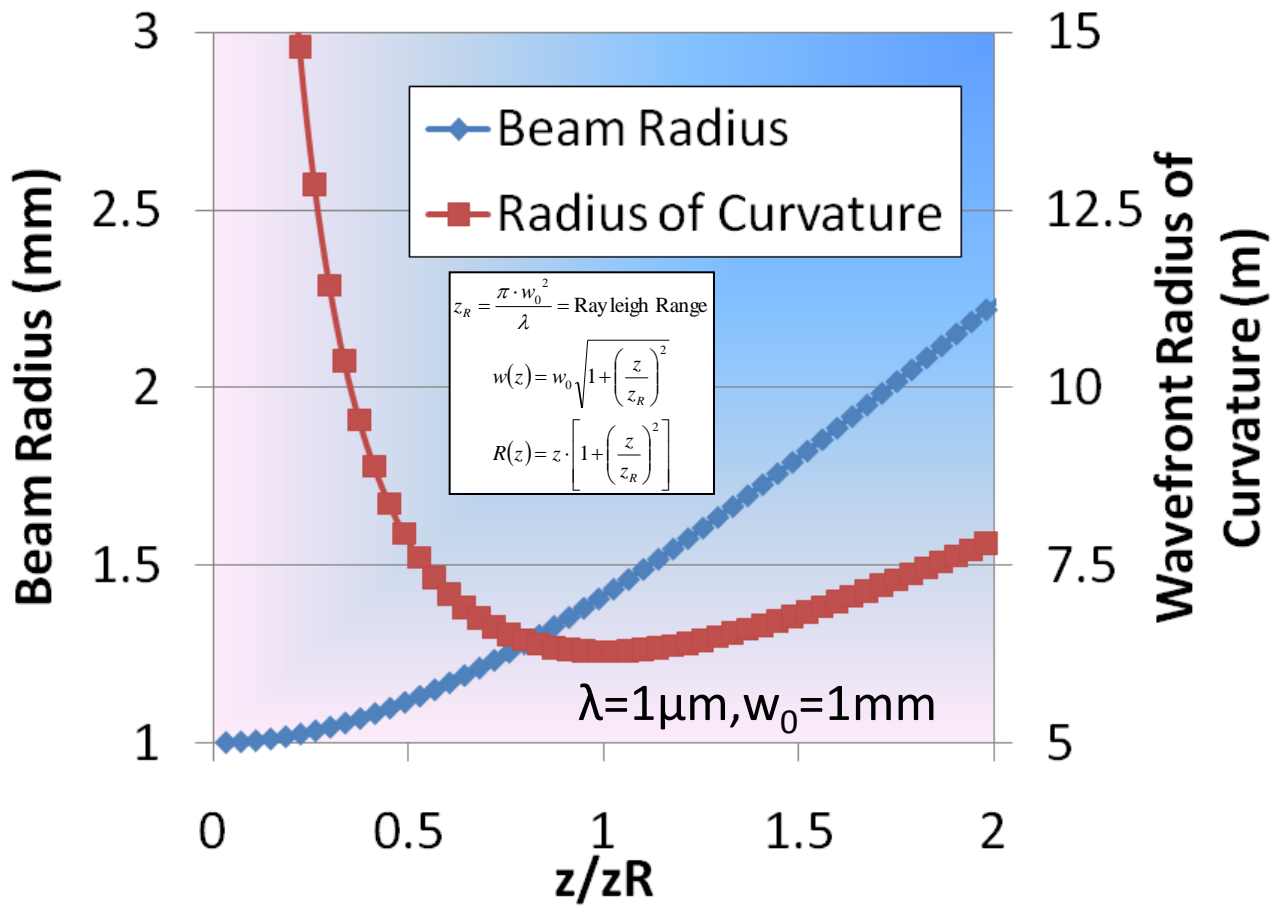


# Lasers

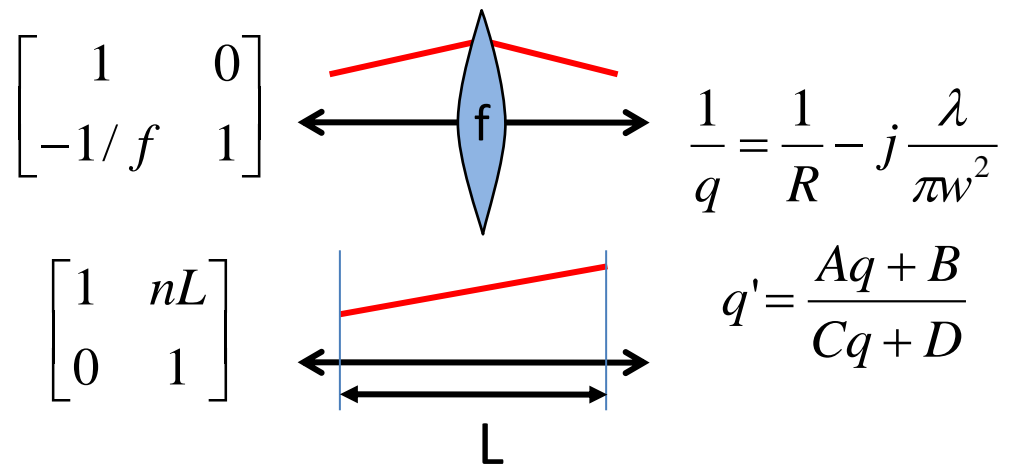
## Gaussian Beam Parameters



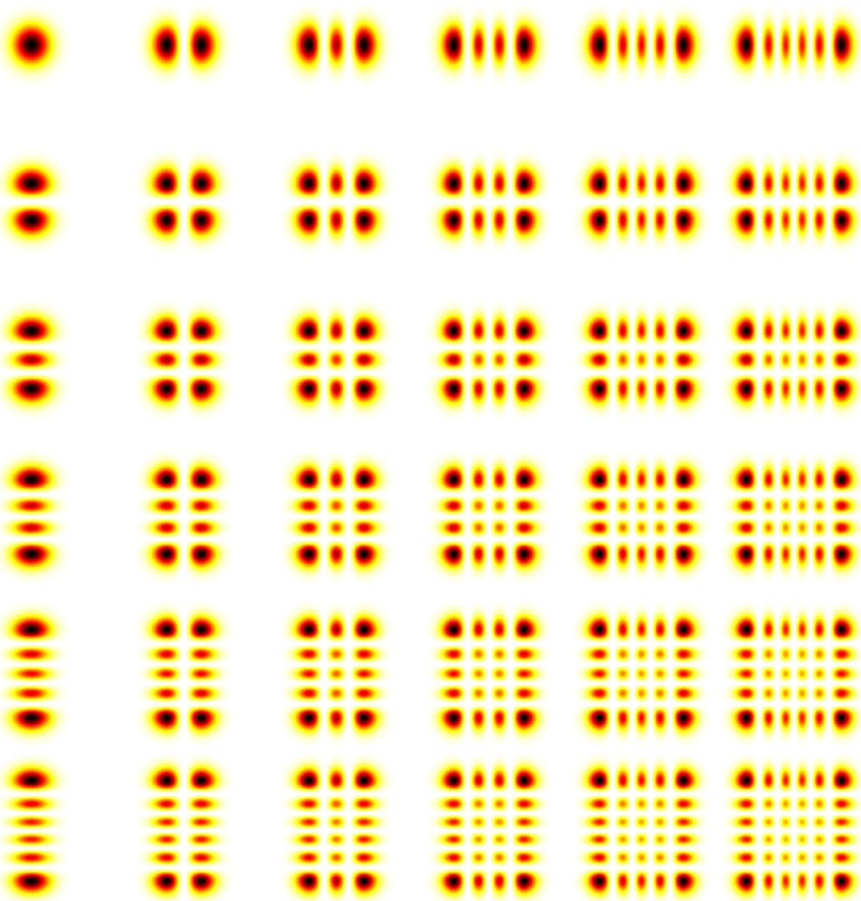
## Common Laser Wavelengths

Wavelength (nm)	Gain Medium
1319, 1064	Nd:YAG
1047	Nd:YLF
1030	Yb:Glass
633	HeNe
532	Doubled Nd:YAG
10,600	CO <sub>2</sub>
1550	Er:Glass

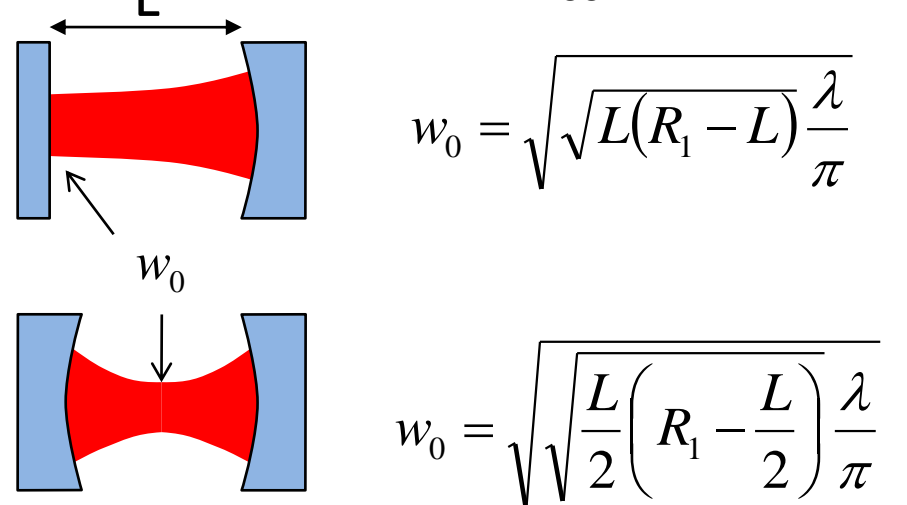
## Common ABCD Ray Matrices



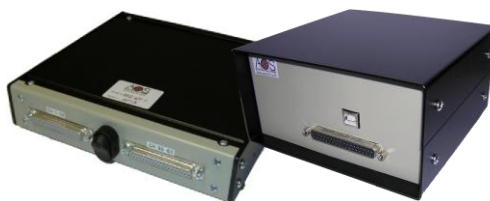
## Hermite-Gaussian Laser Modes



## Stable Resonator TEM<sub>00</sub> Mode Size



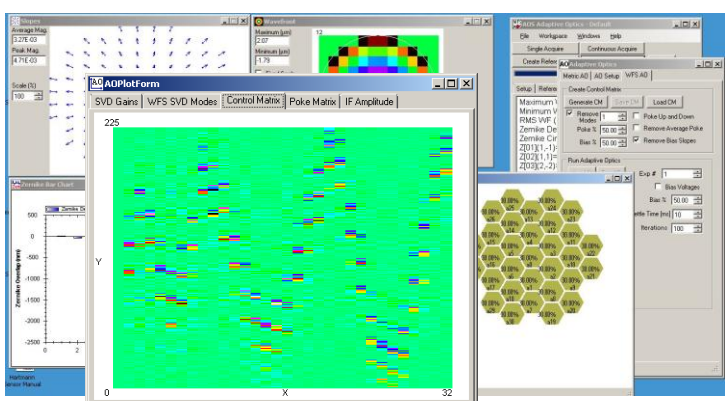
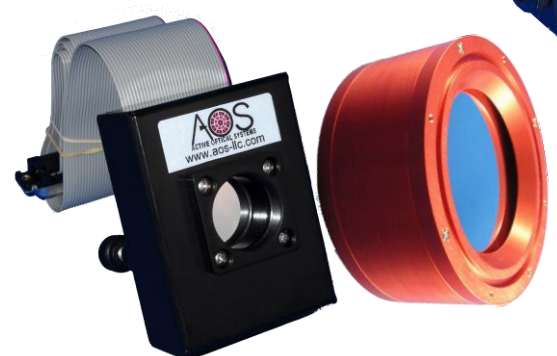
## Drive Electronics



## Hartmann Sensors



## Deformable Mirrors



Adaptive Optics Control Software

