### Definition

While not an aberration, defocus occurs when the focal point shifts from the Gaussian focal point, but otherwise does not effect the system.

![Longitudinal Focal Shift](image)

### Notes

1) Not an aberration since it can be removed by changing the assumed values of the Gaussian constants.
2) Imaging is still stigmatic because the wavefronts are still spherical.

### Formulas

**Wavefront Aberration:**  
\[ W_{020}r^2 \]

### Minimizing and Correcting

1) Just slide detector to correct focal point.