

## **Spectral analysis of quasar microlensing**

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The two-dimensional power spectra of microlensing magnification fields are calculated and analyzed for different convergence and shear values. Spectrum isolines are ellipses flattened along the shear direction. One-dimensional straight sections of magnification fields in a coordinate space (light curves) correspond to projections of the spectrum in a frequency space. The source extension effect, which results in the magnification field convolution with source intensity distribution, is replaced by their Fourier transforms multiplication. For smooth sources such procedure leads to high-pass filtering of frequencies  $\geq (\text{source size})^{-1}$  and can be practical in estimation of the source sizes.