Simulated Sources: Bright

Legend: SExtractor default, SExtractor optimised, SExtractor w. dilated masks, SExtractor w. modelled masks, Gnuastro default, Gnuastro optimised, Gnuastro w. dilated masks, Gnuastro w. modelled masks, DM stack default, DM stack optimised

Panels: low density, high density; exponential, de Vaucouleurs

X-axis: mean fractional recovered area (largest 5 matched sources only)

Y-axis (left): mean sky level / ADU pixel^{-2}

Y-axis (right): mean sky level / mag arcsec^{-2}