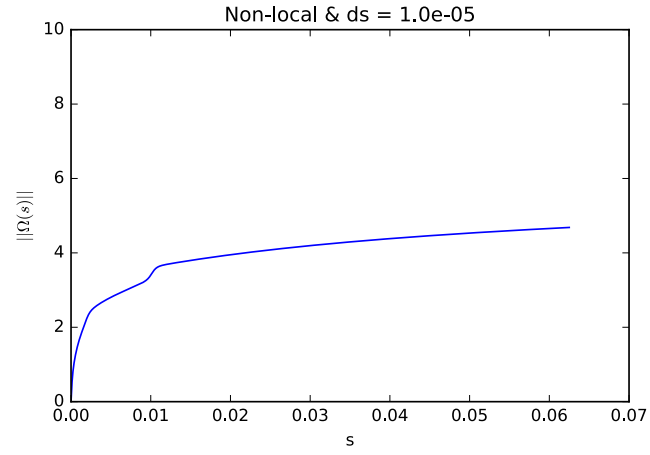
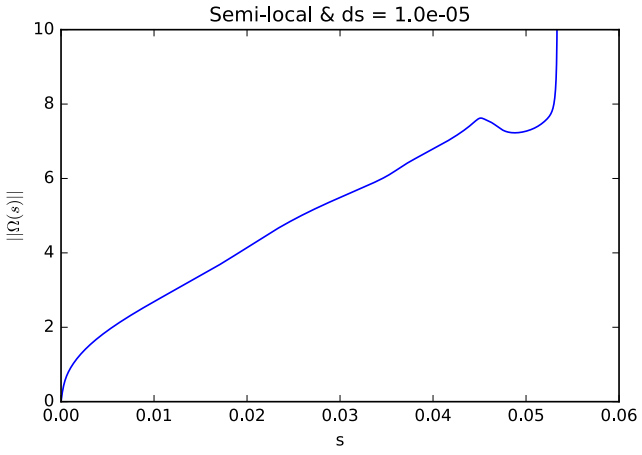
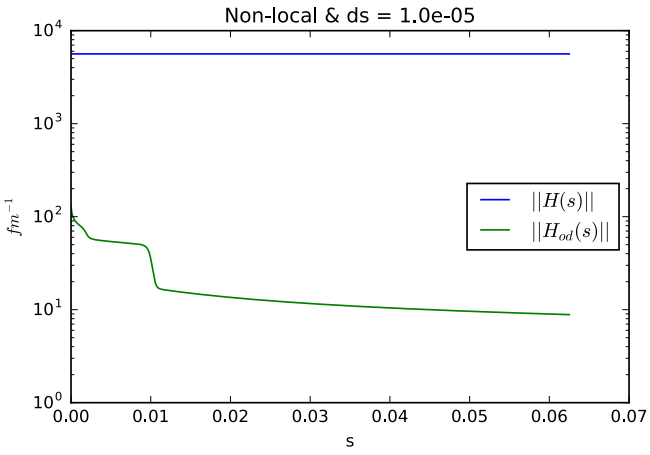
Magnus evolving matrix norms norms for non-local (LEFT) and semi-local (RIGHT) potential

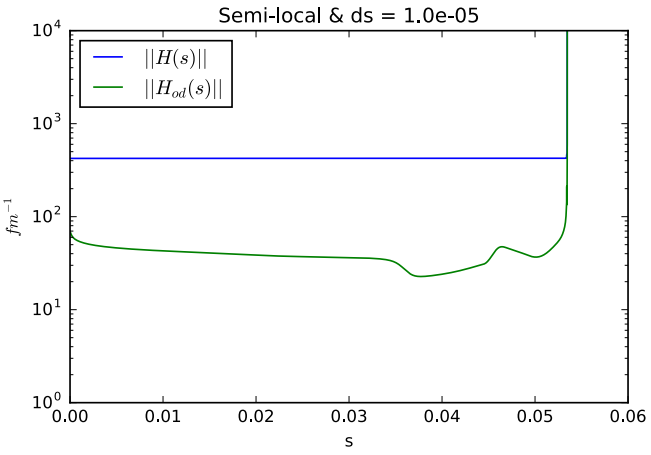
$\|\Omega(s)\|$ (TOP), $\|H(s)\|$ and $\|H_{od}(s)\|$ (MIDDLE), $\left\|\frac{B_k}{k!} ad_\Omega^k\right\|$ (BOTTOM)

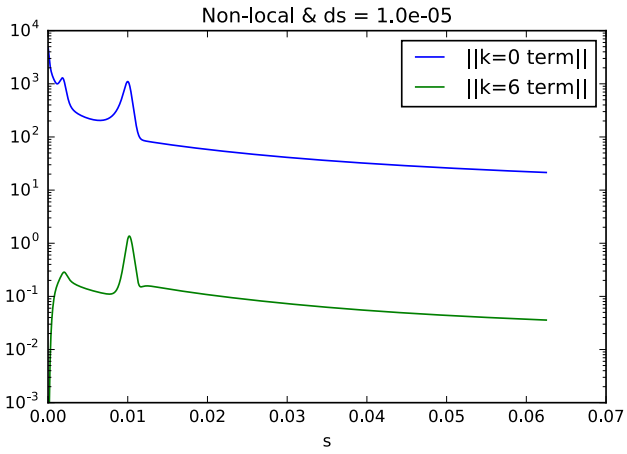
$ds = 10^{-5}$

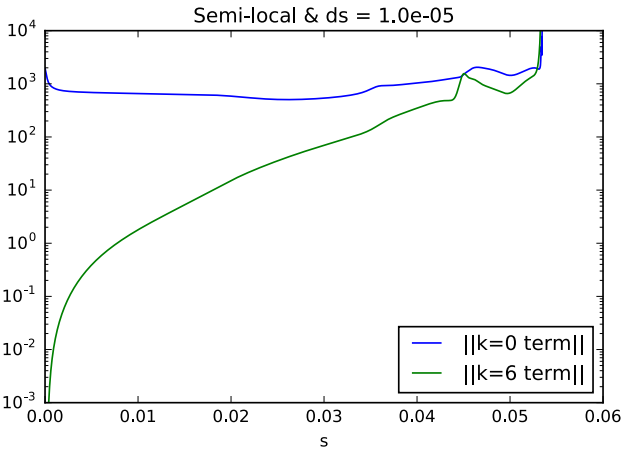










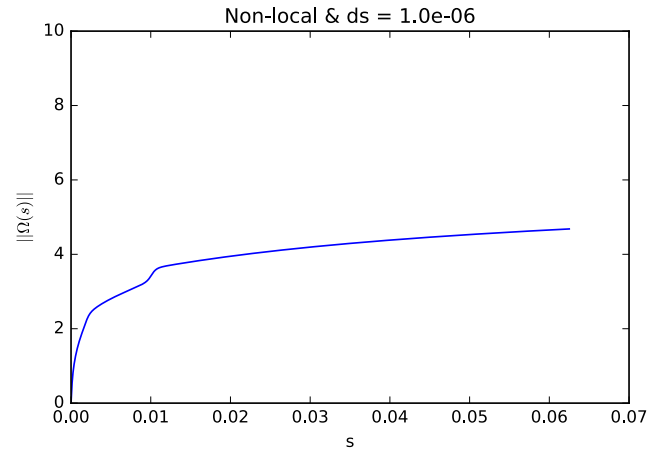


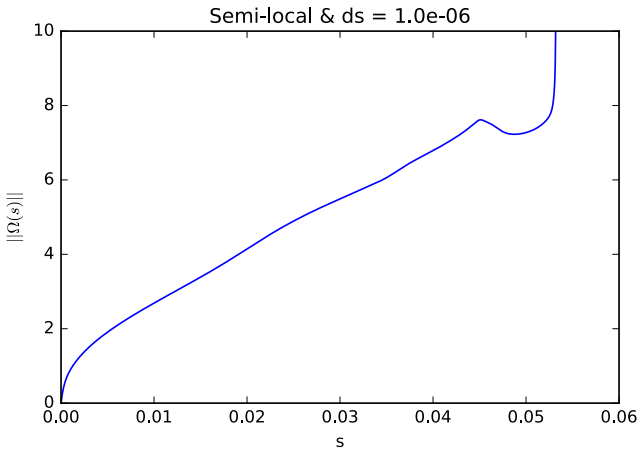
*NOTICE THE X-AXIS: Non-local can evolve out past s > 0.06 whereas semi-local blows up before 0.06.

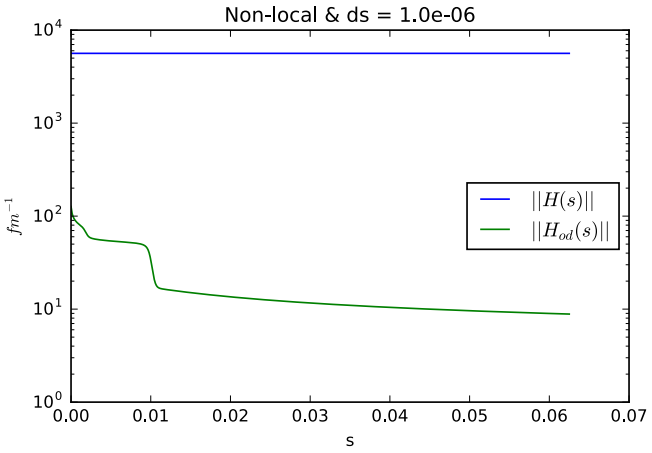
Magnus evolving matrix norms norms for non-local (LEFT) and semi-local (RIGHT) potential

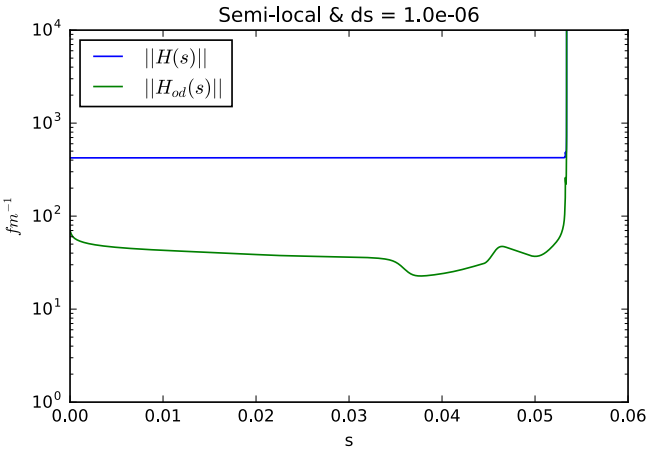
$\|\Omega(s)\|$ (TOP), $\|H(s)\|$ and $\|H_{od}(s)\|$ (MIDDLE), $\left\|\frac{B_k}{k!} ad_\Omega^k\right\|$ (BOTTOM)

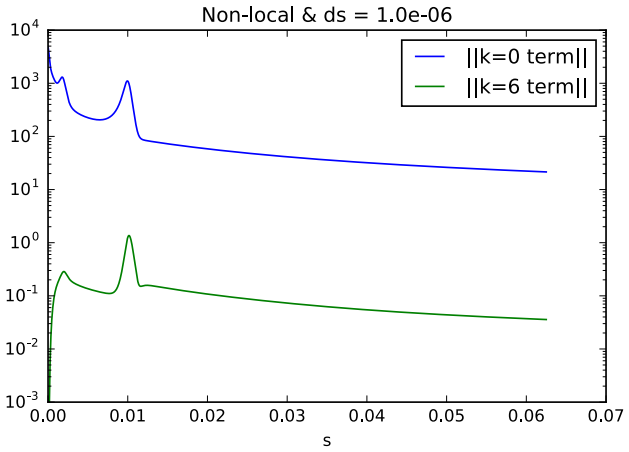
$ds = 10^{-6}$

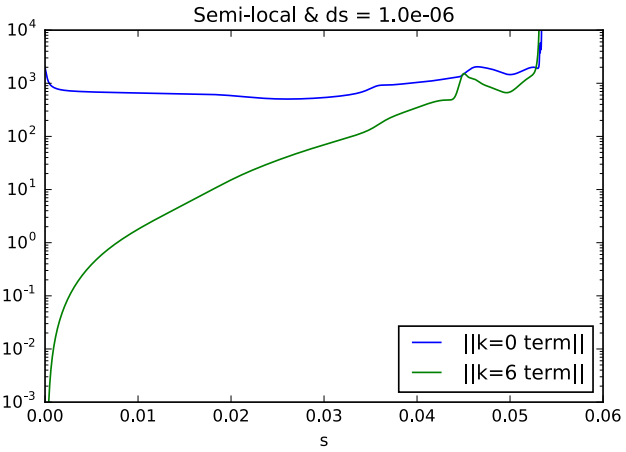




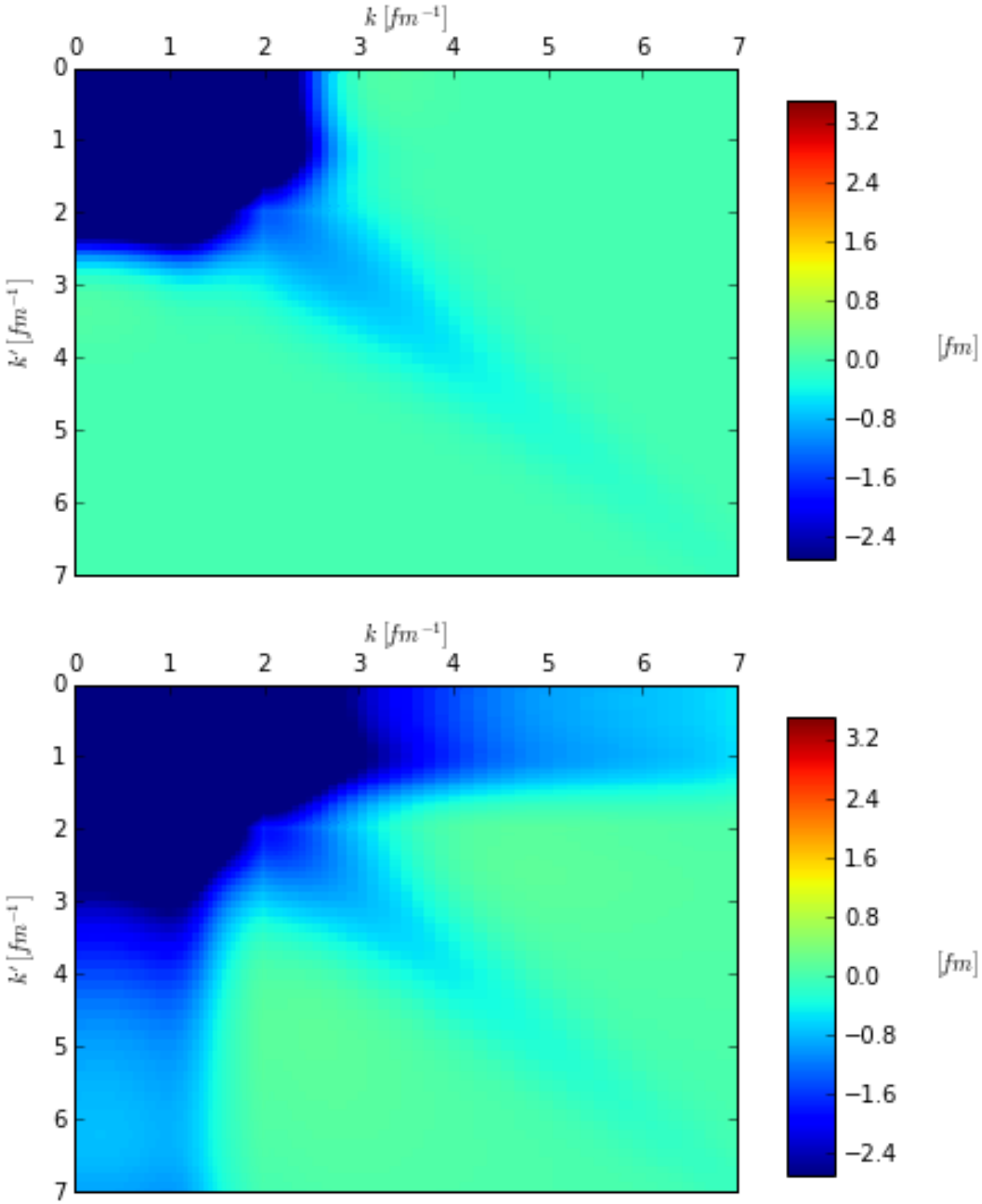








Evolve semi-local potential out to $\lambda = 2.8\ fm^{-1}$ for SRG (TOP) and Magnus with SRG η (BOTTOM)



Evolve semi-local potential out to $\lambda = 2.0\ fm^{-1}$ for SRG (TOP) and Magnus with SRG η (BOTTOM)