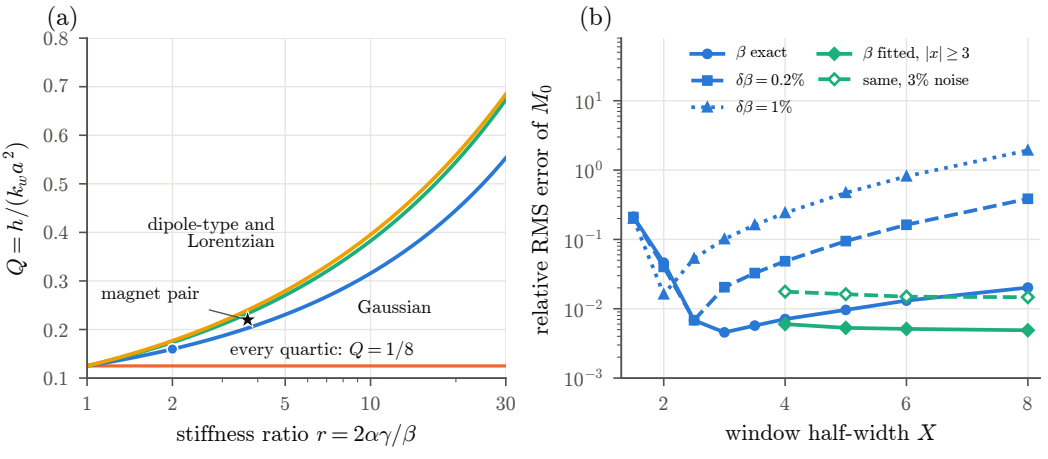

(a)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
$Q = h/(k_w a^2)$
dipole-type and
Lorentzian
magnet pair
Gaussian
every quartic: $Q = 1/8$
1
2
5
10
30
stiffness ratio $r = 2\alpha\gamma/\beta$
(b)
β exact
β fitted, $|x| \geq 3$
$\delta\beta = 0.2\%$
same, 3% noise
$\delta\beta = 1\%$
relative RMS error of M_0
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
2
4
6
8
window half-width X