

$$s_0 = 1 \text{ (a.u.)}$$
$$s_0 = 10^2 \text{ (a.u.)}$$
$$s_0 = 10^4 \text{ (a.u.)}$$
$$s_0 = 10^6 \text{ (a.u.)}$$
 $k = 2$ 
$$k = 4$$
$$k = 6$$
