$r_8 S_4, n_q = 38$

ϕ

$r = 0.2$

$r = 0.6$

$r = 0.9$

$r = 1.0$

$r = 1.0$ $r = 0.6$

$r = 0.9$ $r = 0.2$

N   E   S   W   N

Cardinal direction