$r_0S_4, n_q = 92$

ϕ

$r = 0.2$
$r = 0.6$
$r = 0.9$
$r = 1.0$

$r = 1.0$ $r = 0.6$
$r = 0.9$ $r = 0.2$

Cardinal direction

N   E   S   W   N