

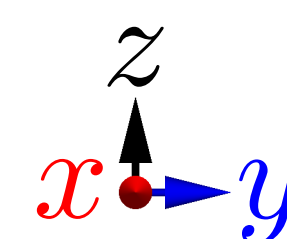
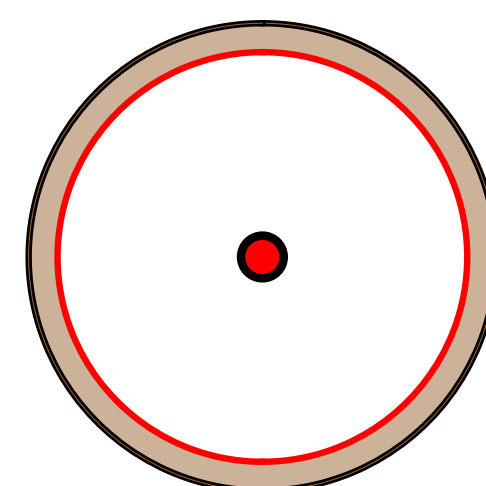
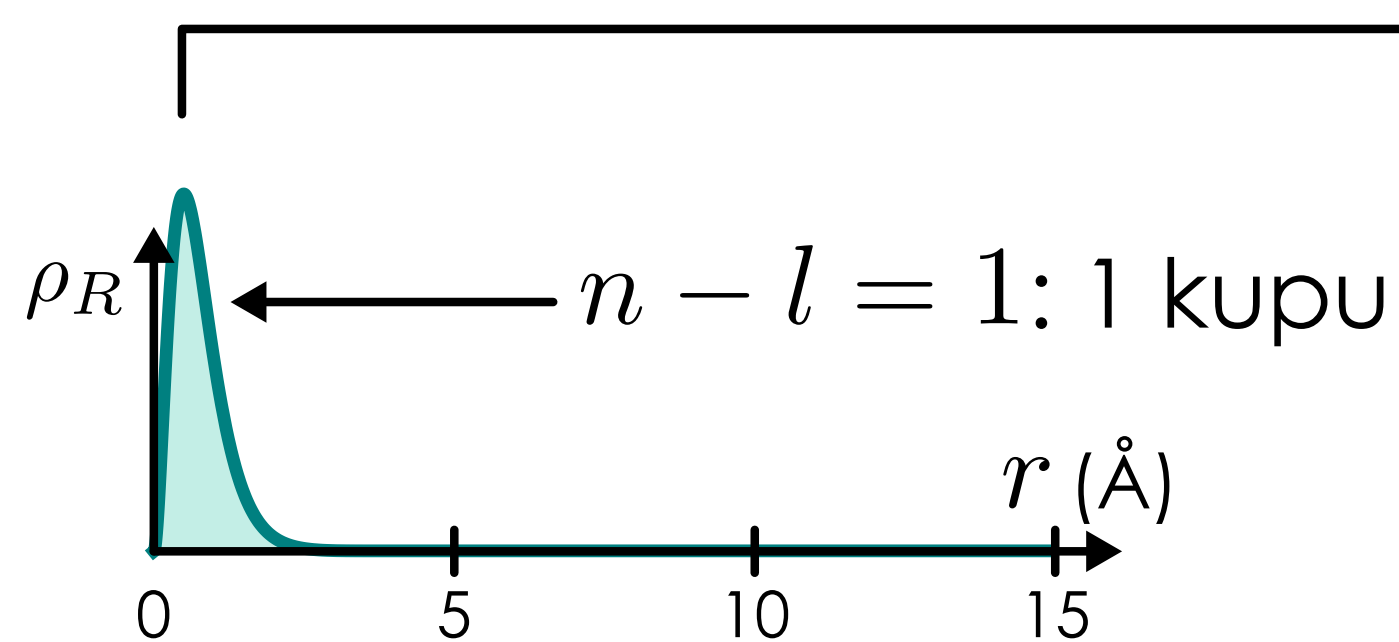
tila
 $|n, l, m\rangle$

radiaalitodennäköisyys
 $\rho_{nl}(r) = |R_{nl}(r)|^2 r^2$

aalfunktion kulmaosuus
 $Y_l^m(\phi, \theta)$

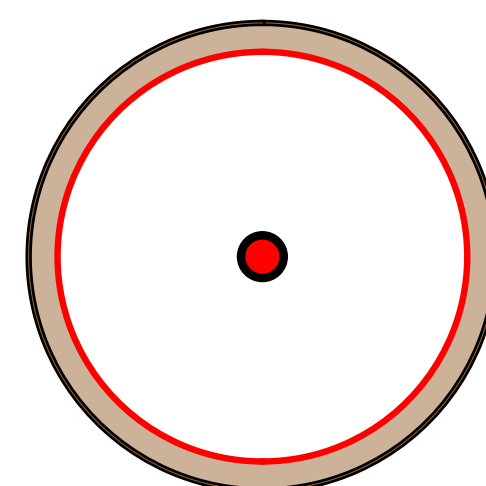
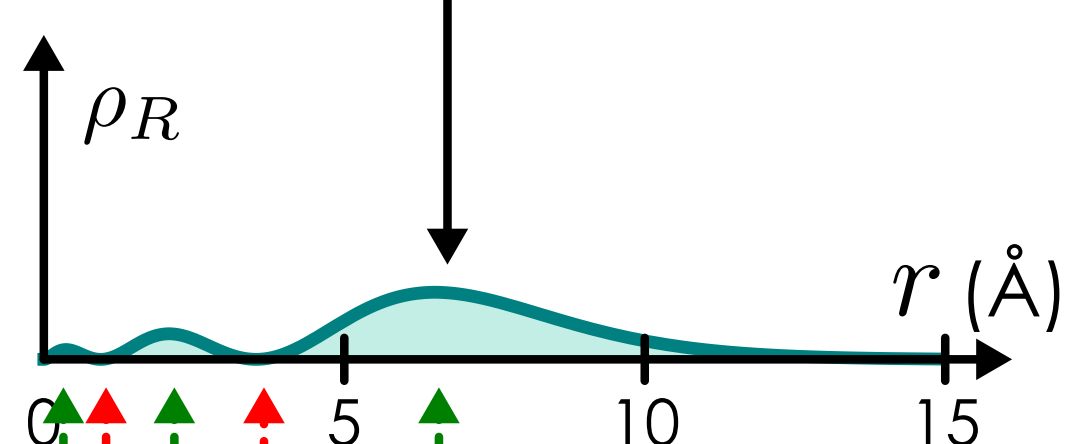
3D-paikkajakauma

$|1, 0, 0\rangle$

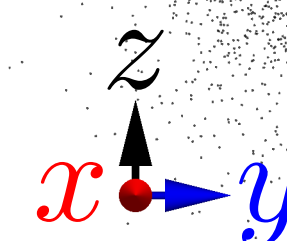


$|3, 0, 0\rangle$

$n - l = 3: 3$ kupua

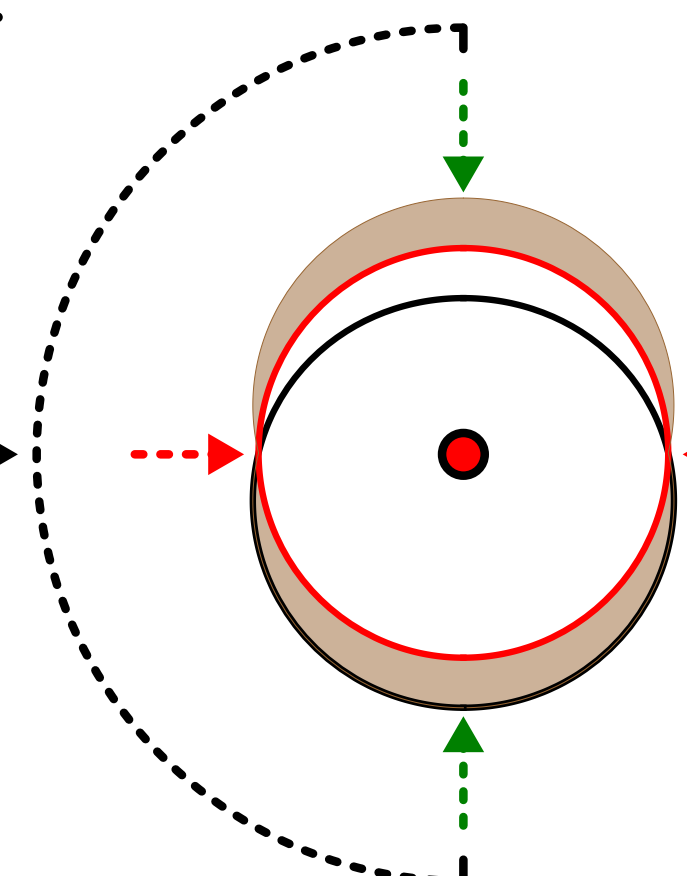
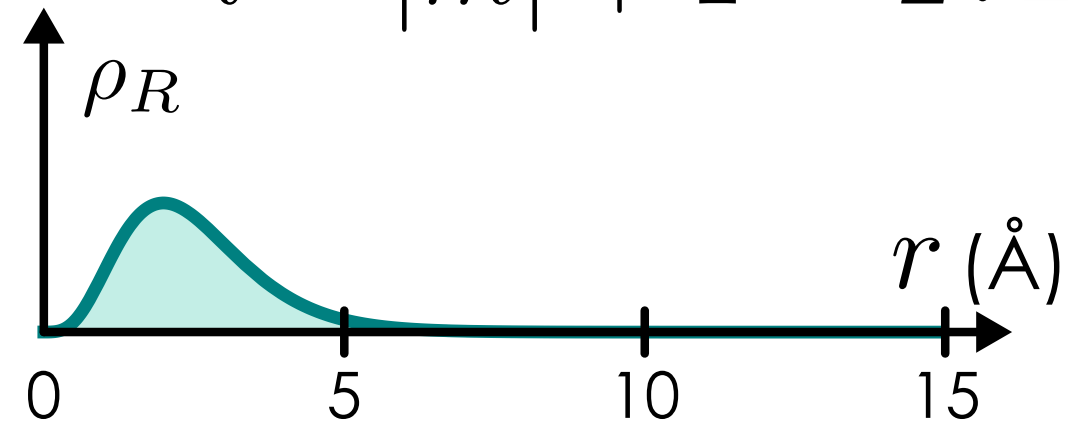


kolme sisäkkäistä pallokuorta

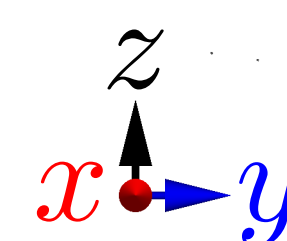


$|2, 1, 0\rangle$

$l - |m| + 1 = 2: 2$ kupua



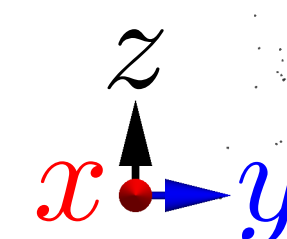
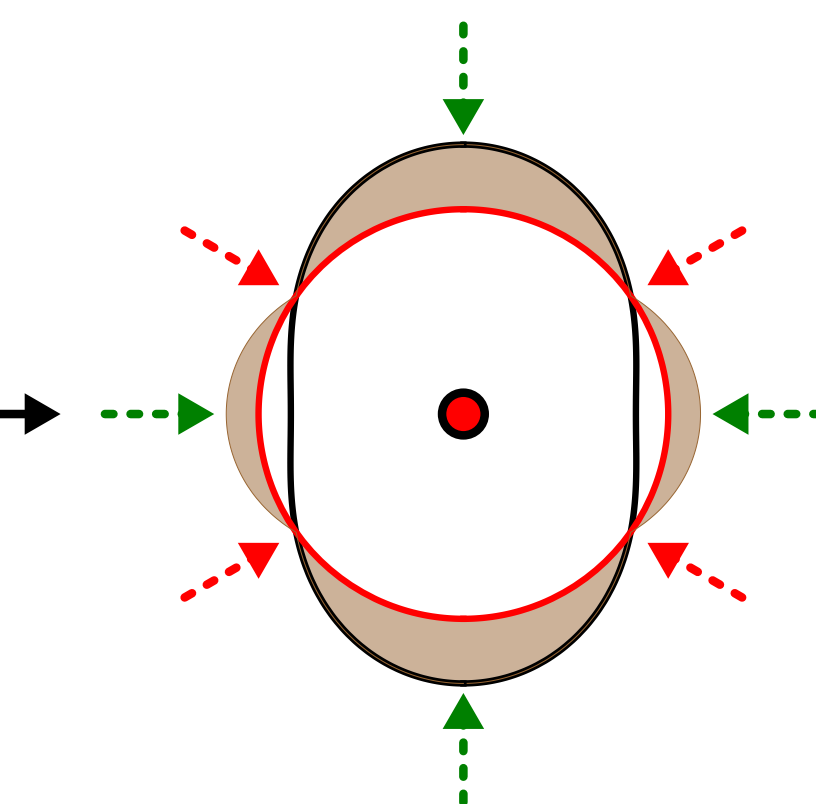
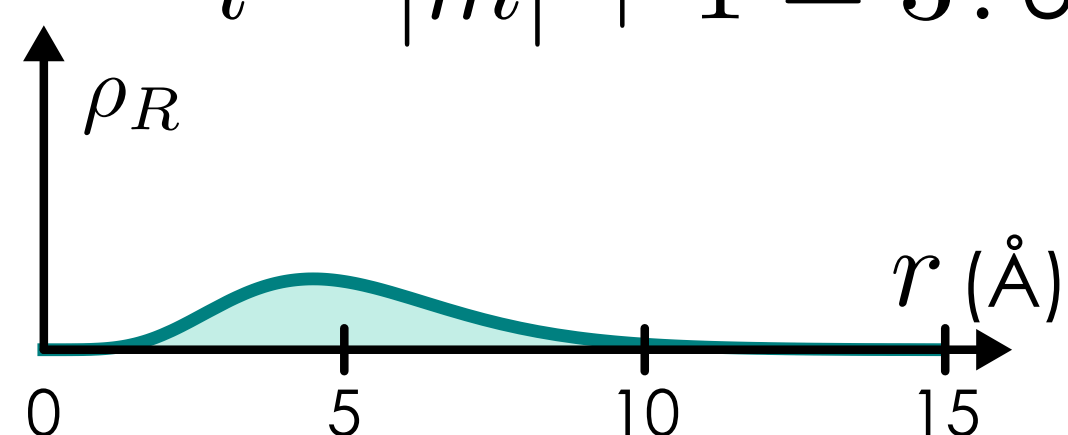
Elektronia ei voi havaita solmun kohdalla.



kaksi erillistä kartiota

$|3, 2, 0\rangle$

$l - |m| + 1 = 3: 3$ kupua



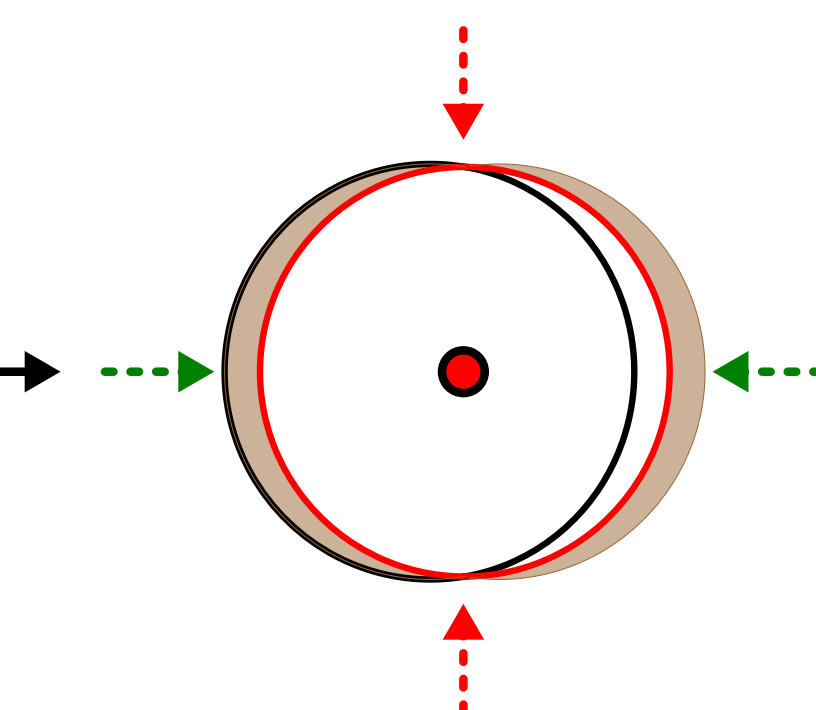
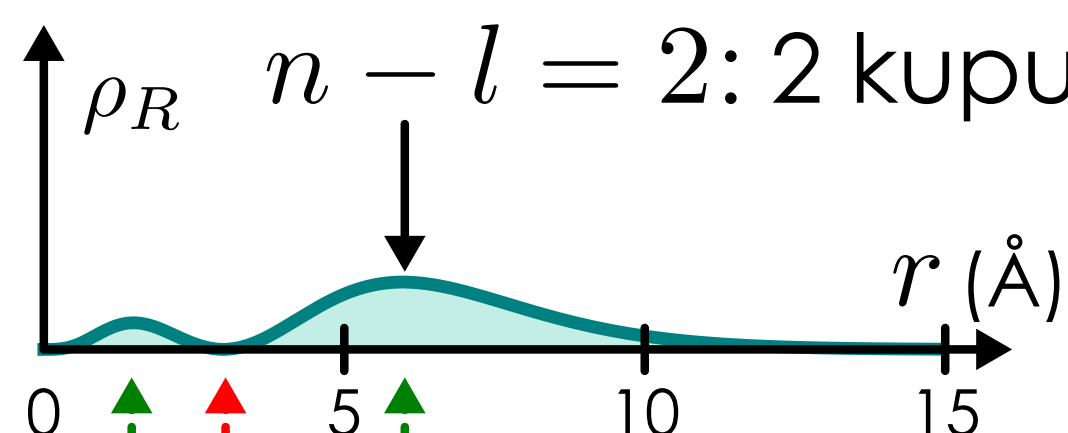
kartio
 rengas

kartio

$|3, 1, \pm 1\rangle$

$l - |m| + 1 = 1: 1$ kupu

$n - l = 2: 2$ kupua



kaksi sisäkkäistä rengasta

