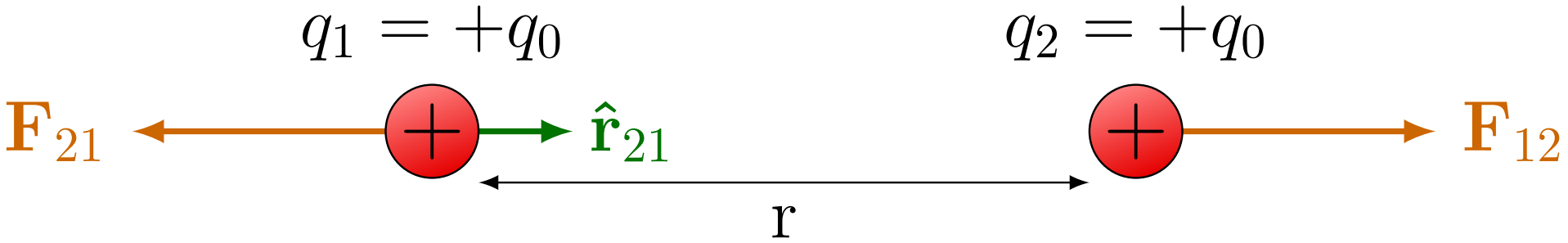
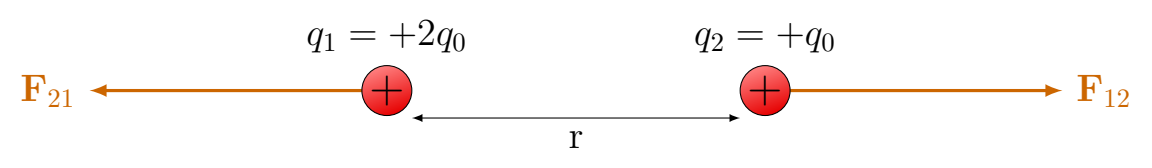
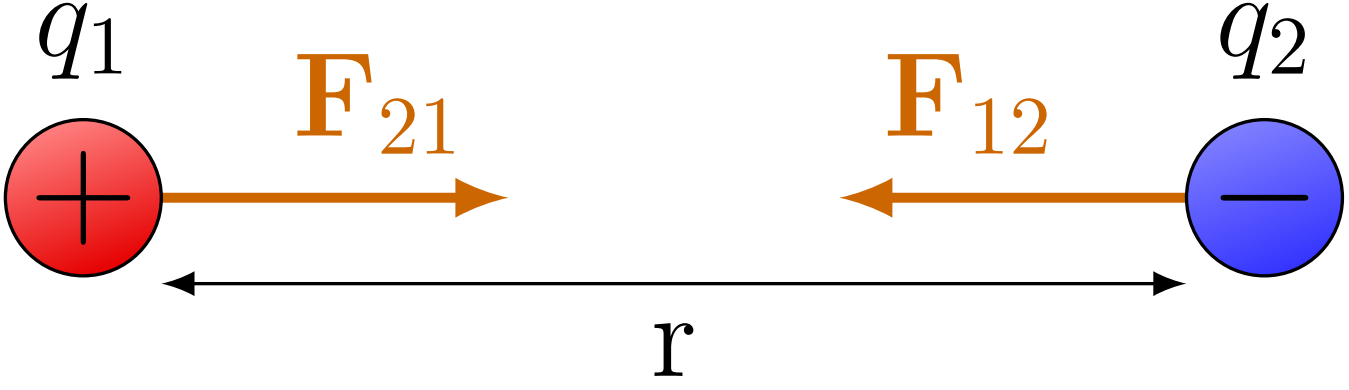
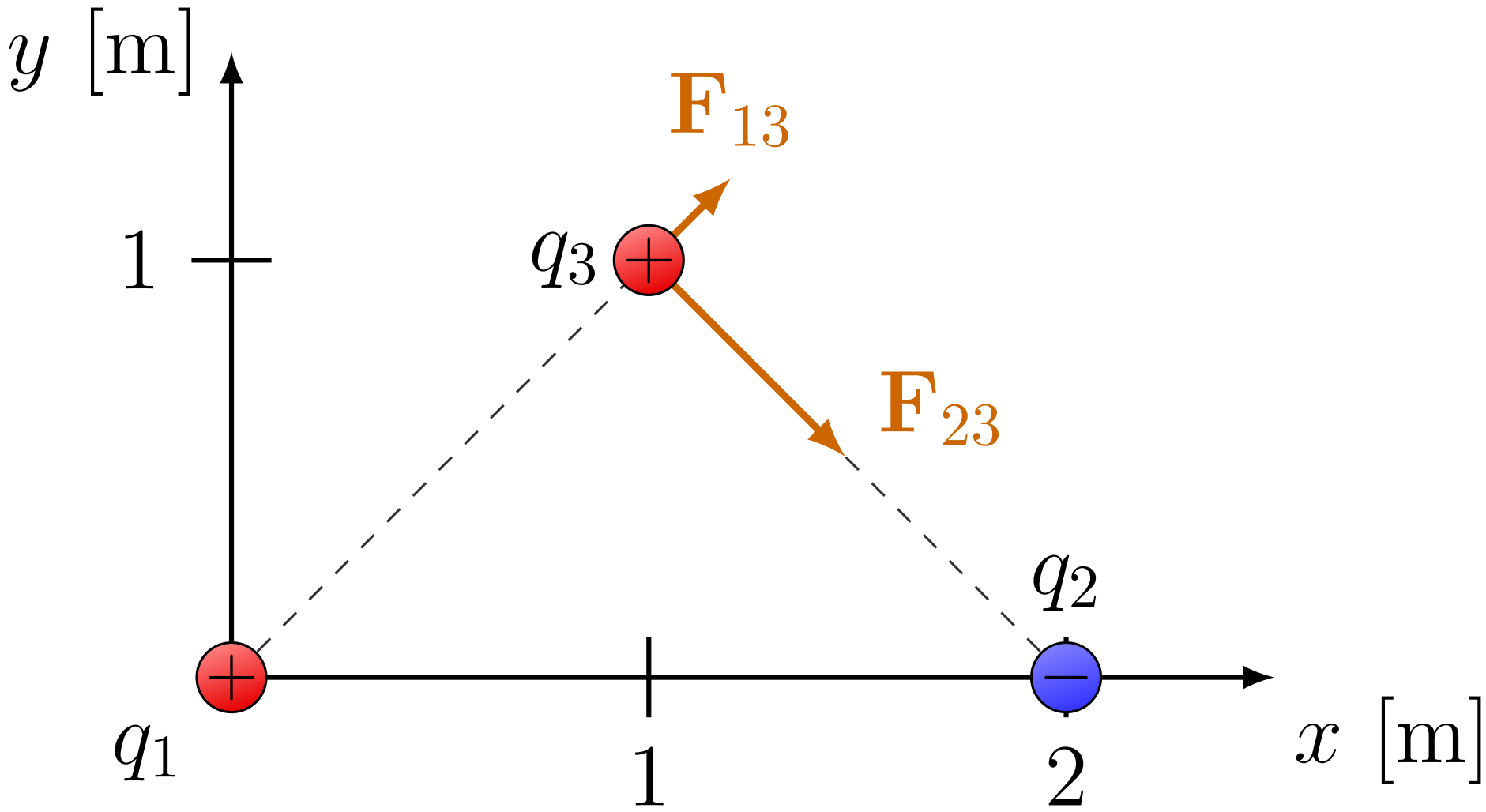
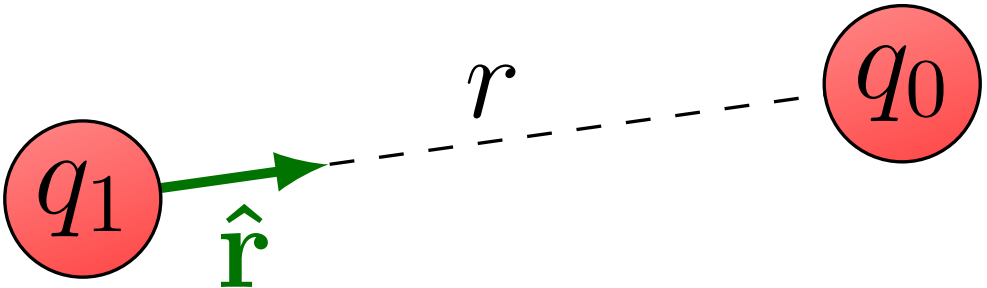

$q_1 = +q_0$
$q_2 = +q_0$
$\mathbf{F}_{21}$
$\hat{\mathbf{r}}_{21}$
$\mathbf{F}_{12}$
r


$q_1 = +2q_0$
$q_2 = +q_0$
$\mathbf{F}_{21}$
$\mathbf{F}_{12}$
r

$q_1 = +q_0$
$q_2 = +q_0$
$\mathbf{F}_{21}$
$\mathbf{F}_{12}$
r'=2r


q_1
$\mathbf{F}_{21}$
$\mathbf{F}_{12}$
q_2
r


y [m]
1
q3
F13
F23
q2
q1
1
2
x [m]


r
q_0
q_1
$\hat{\mathbf{r}}$