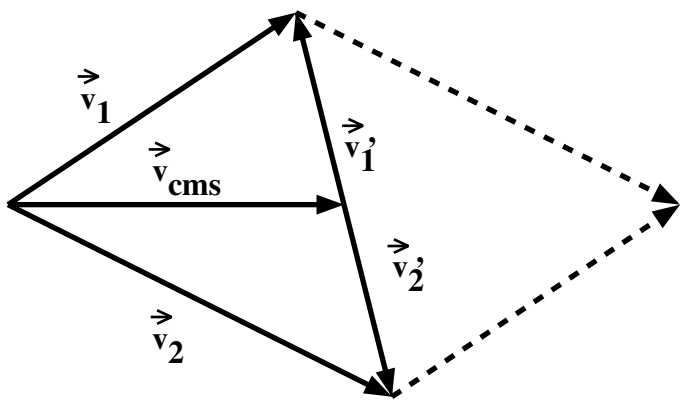
$\vec{v}_1$
$\vec{v}_{cms}$
$\vec{v}_1'$
$\vec{v}_2'$
$\vec{v}_2$