

$$ln[\circ j] := \frac{x2 - Xsdot}{\sqrt{(x1 - Xs)^2 + (x3 - Ys)^2}} - \frac{(x1 - Xs) \left((x1 - Xs) (x2 - Xsdot) + (x3 - Ys) (x4 - Ysdot) \right)}{\left((x1 - Xs)^2 + (x3 - Ys)^2 \right)^{3/2}}$$