Project
$$\longrightarrow$$

1. $X_{t+1} = X_t + St(\dot{x}_t \cos Y_t - \dot{y}_t \sin Y_t) + W_t$
 $Y_{t+1} = Y_t + St(\dot{x}_t \sin Y_t + \dot{y}_t \cos Y_t) + U_t^{\vee}$
 $Y_{t+1} = Y_t + St\dot{Y}_t + W_t^{\vee}$

$$X_{t} = f(X_{t-1}, U_{t}) + W_{t}$$

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	X^{f}		X+ + St (X+(OSP+-y+ Sin Y+)		Wx	
	Yt		Yt + St (xt Sin Yt + yt cost)		WY	
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$$\frac{1}{1} = h(X_{t}) + U_{t}$$

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$$\frac{1}{1} = a + a + a + 2(m_{y} - Y_{t}, m_{x} - Y_{t}) - Y_{t}$$

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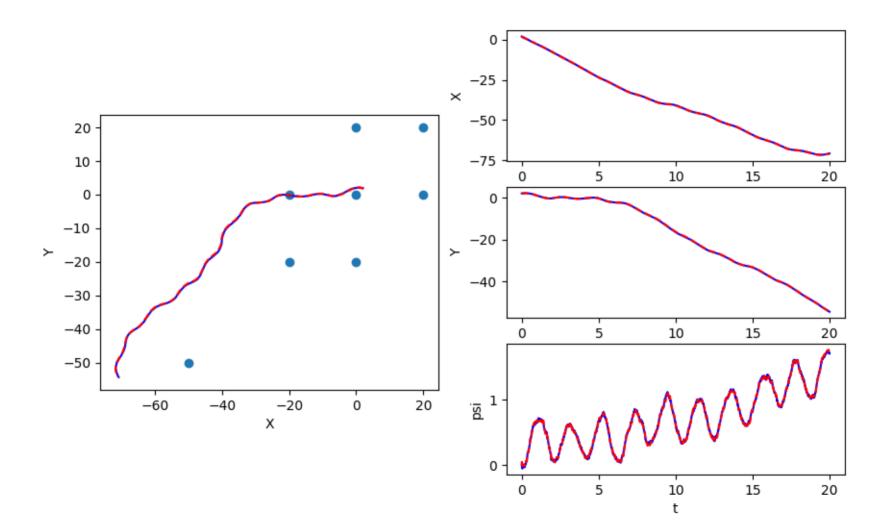
$$\frac{1}{1} = a + a + 2(m_{y} - Y_{t}, m_{x} - X_{t}) - Y_{t}$$

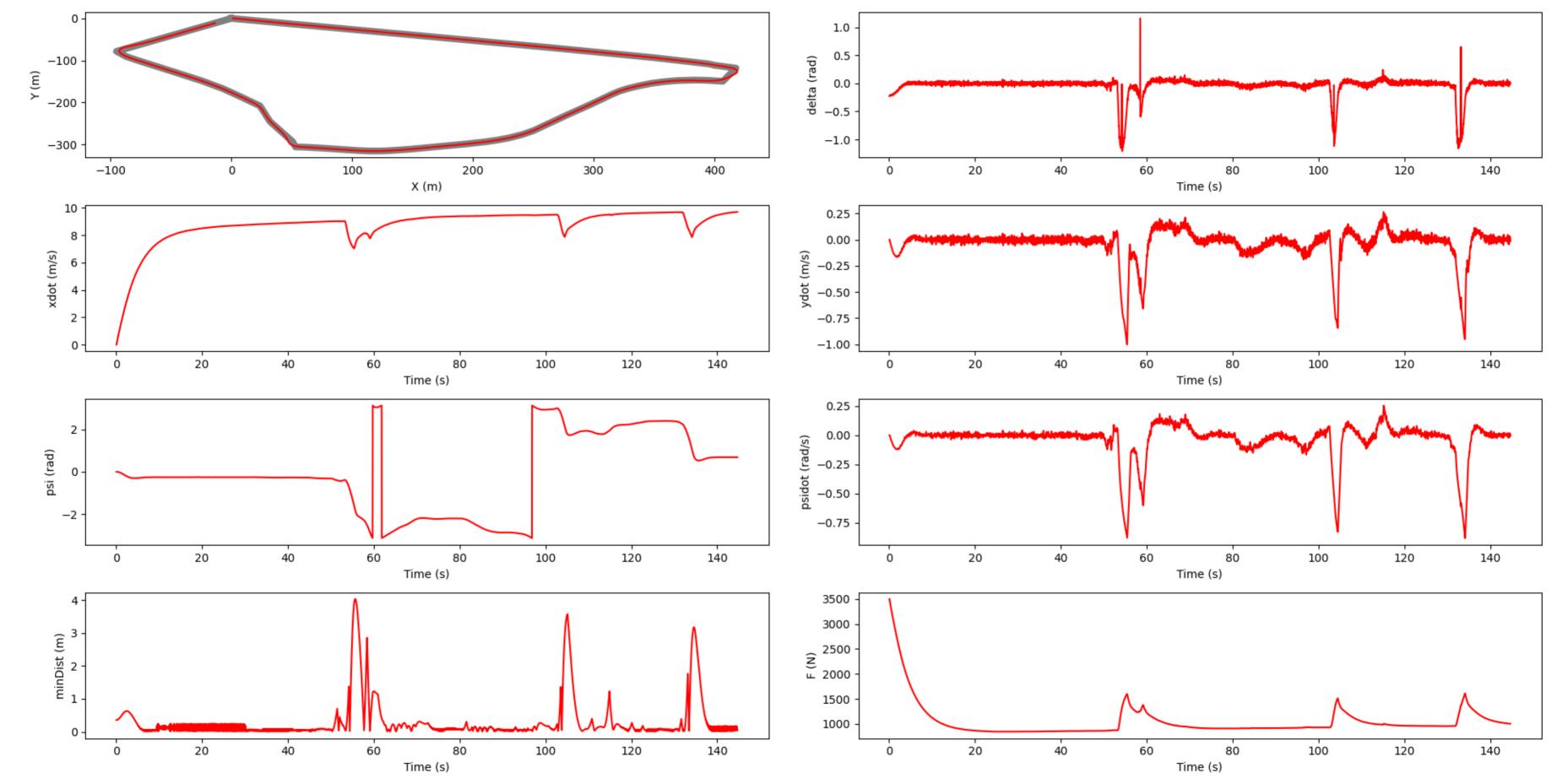
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-5, 53-10000.5, -53





Score for completing the loop: 30.0/30.0 Score for average distance: 30.0/30.0 Score for maximum distance: 30.0/30.0 Your time is 144.704 Your total score is: 100.0/100.0 total steps: 144704 maxMinDist: 4.030576739264646 avgMinDist: 0.31415418553392377