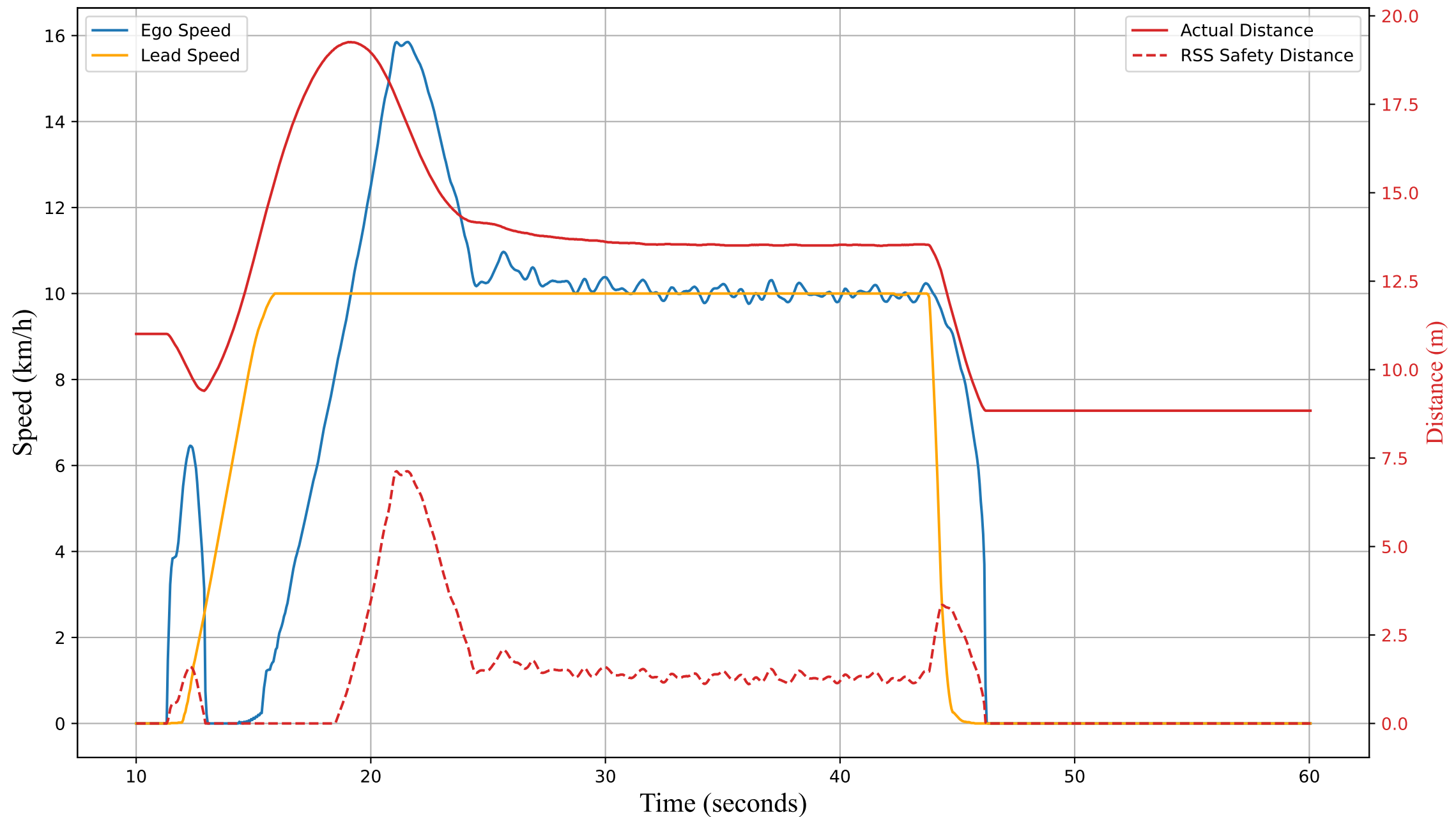


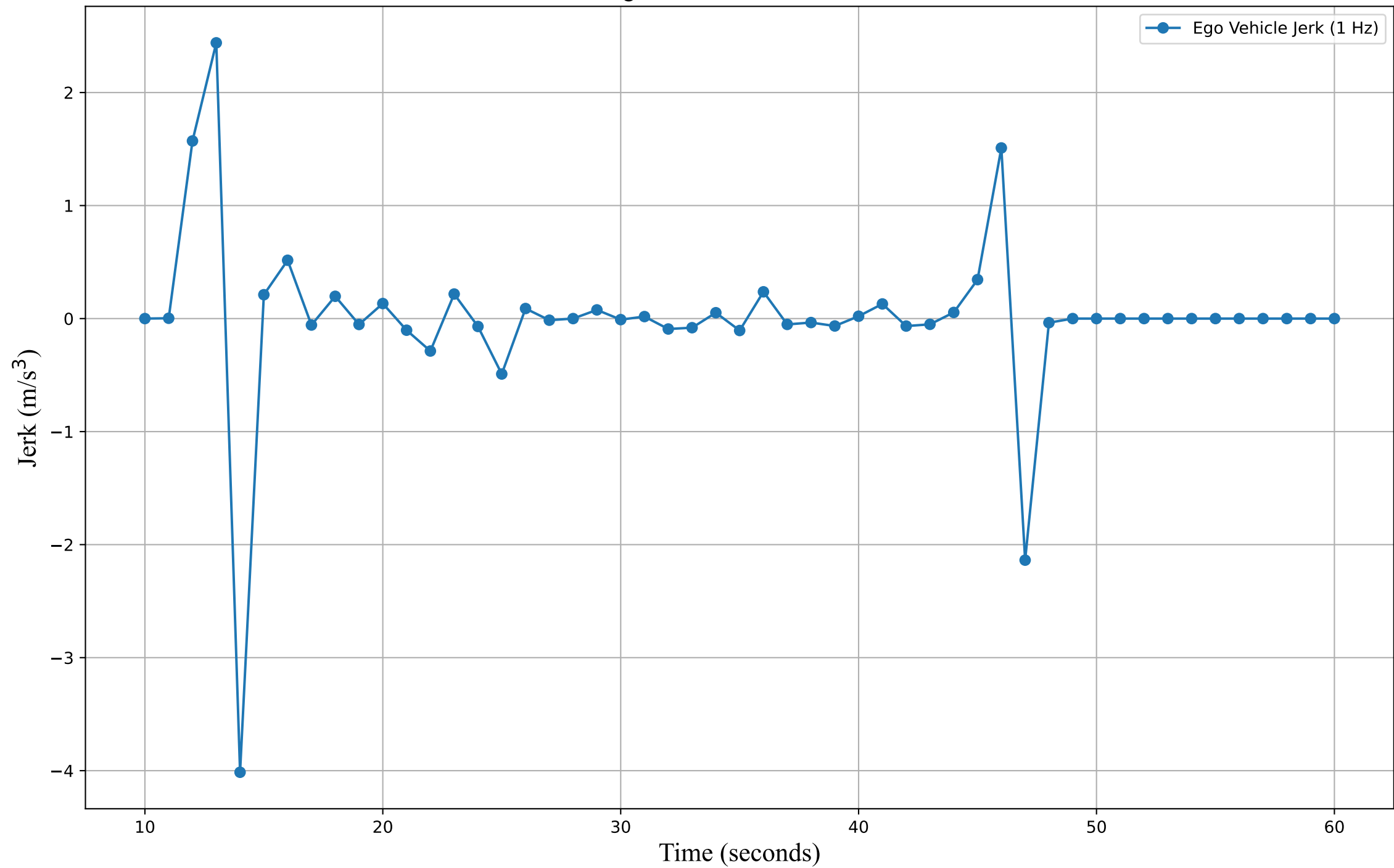
Case 1: $(v_r > v_f)$

Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

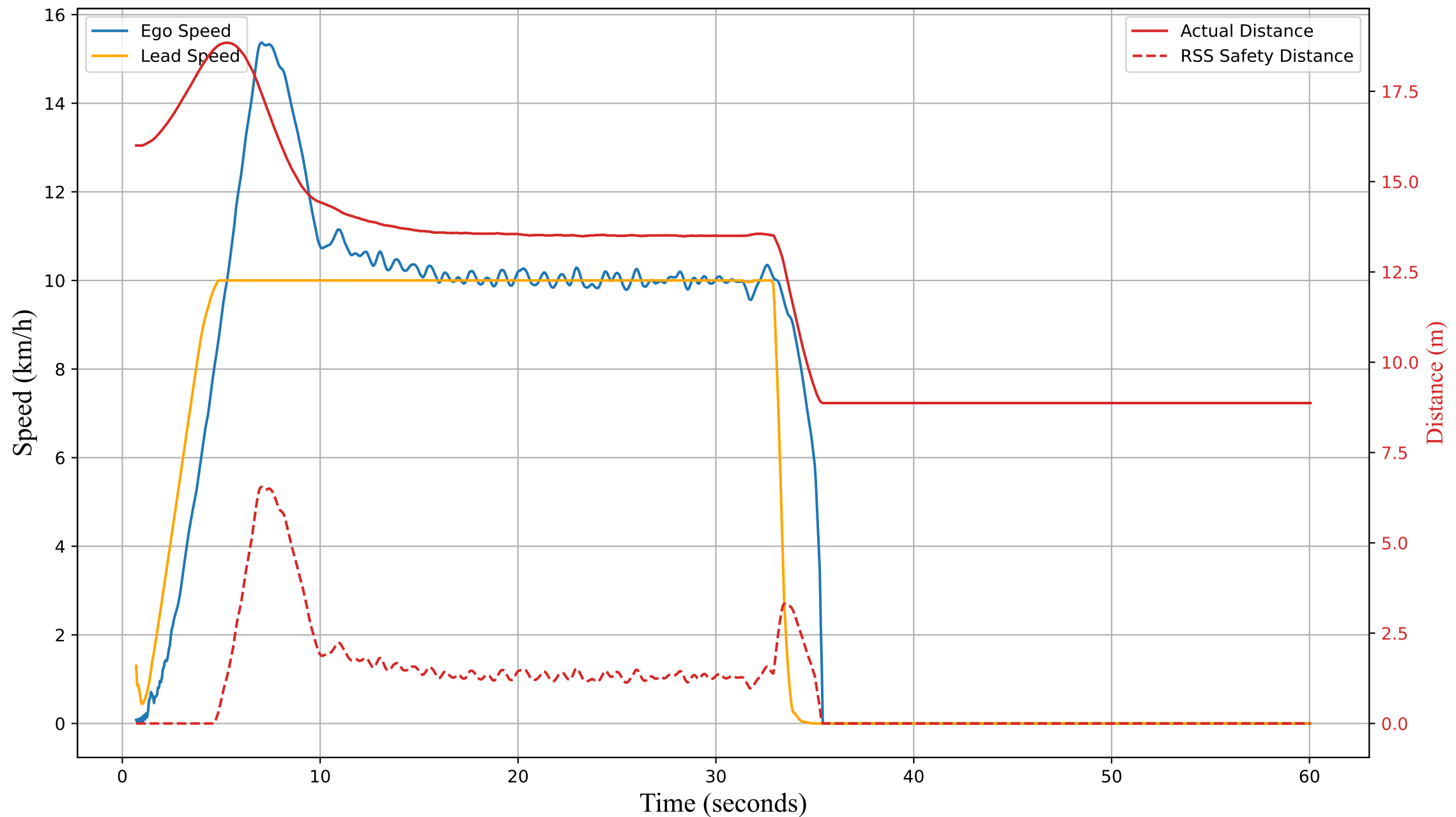


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

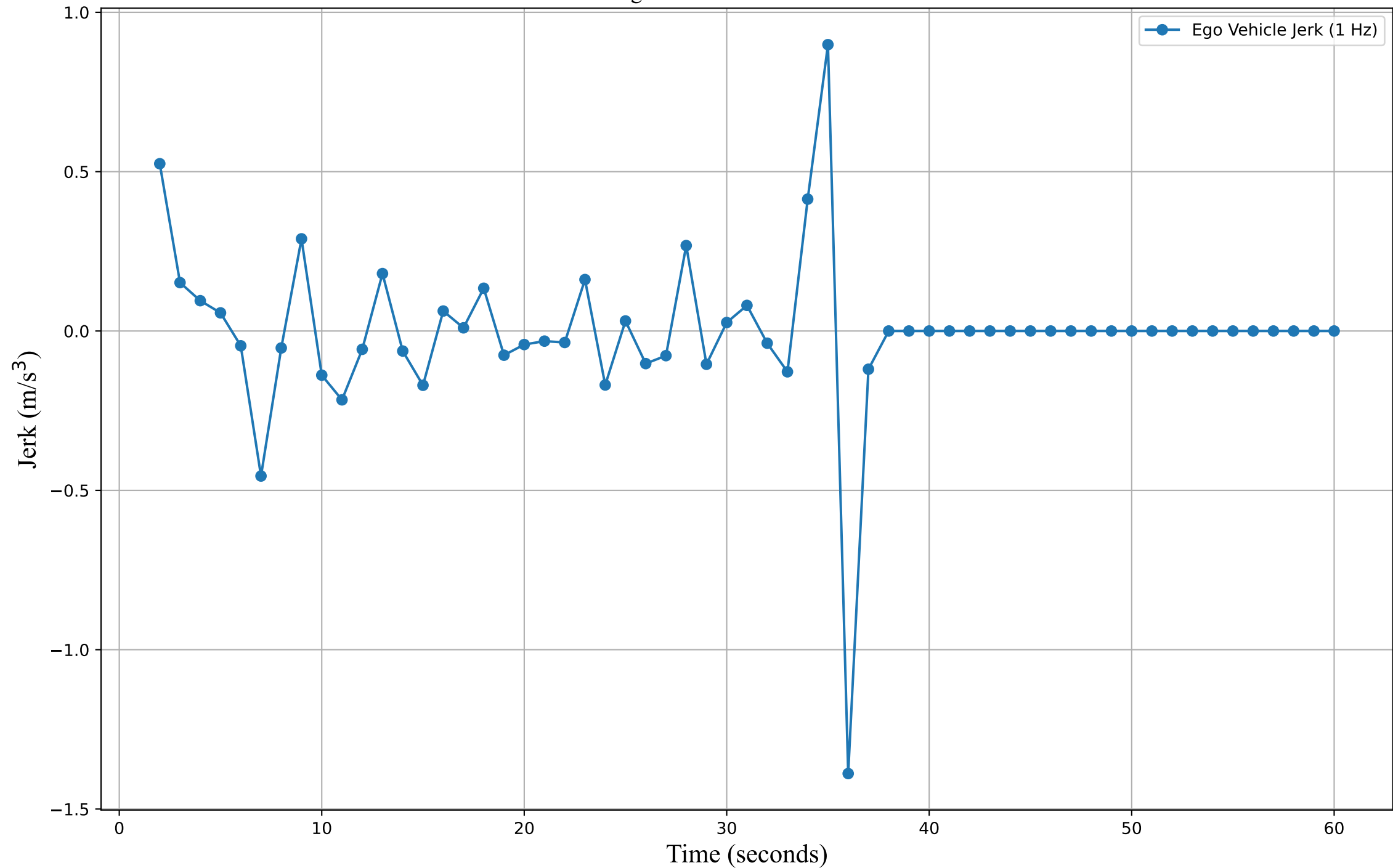


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

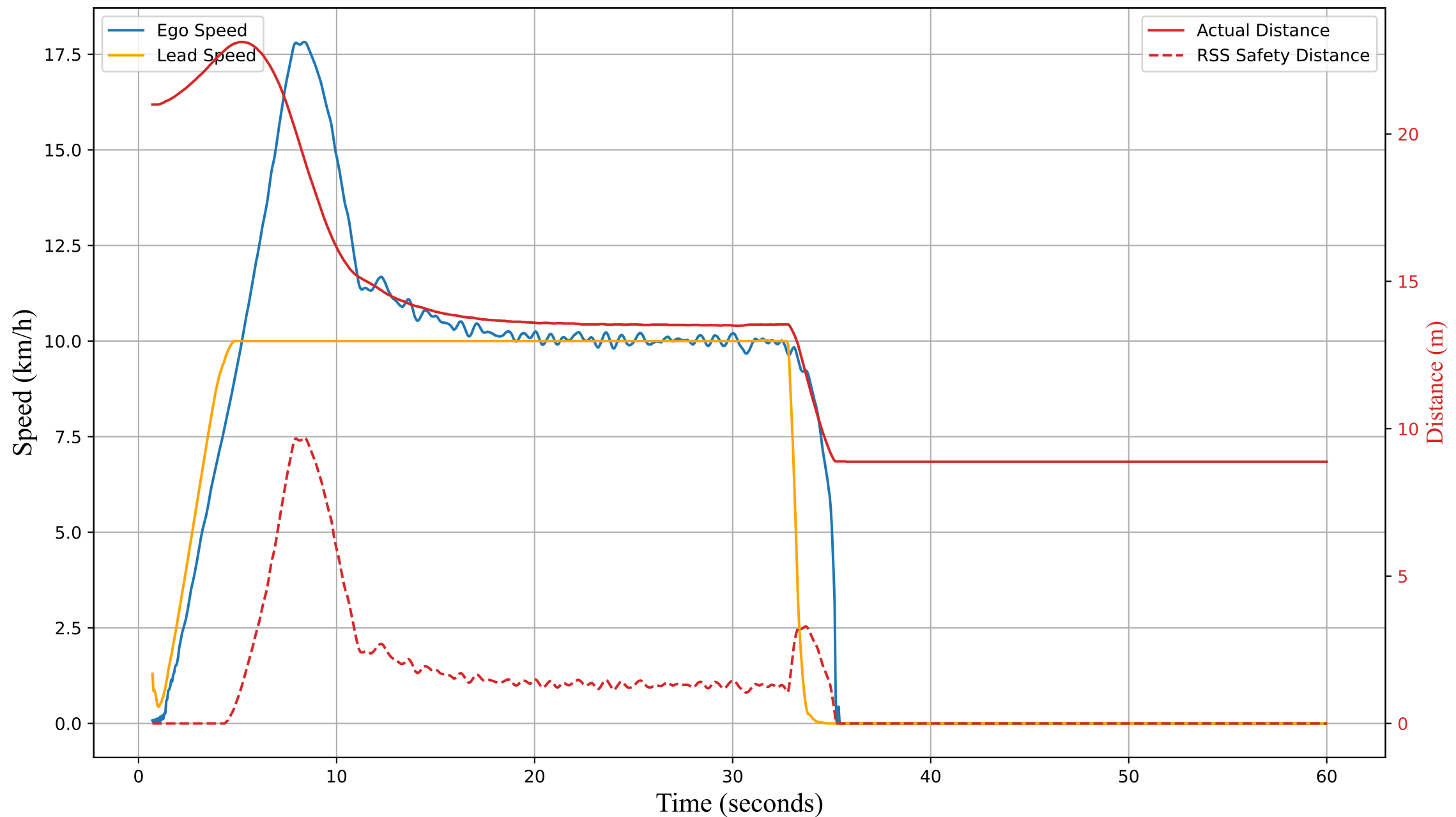


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m

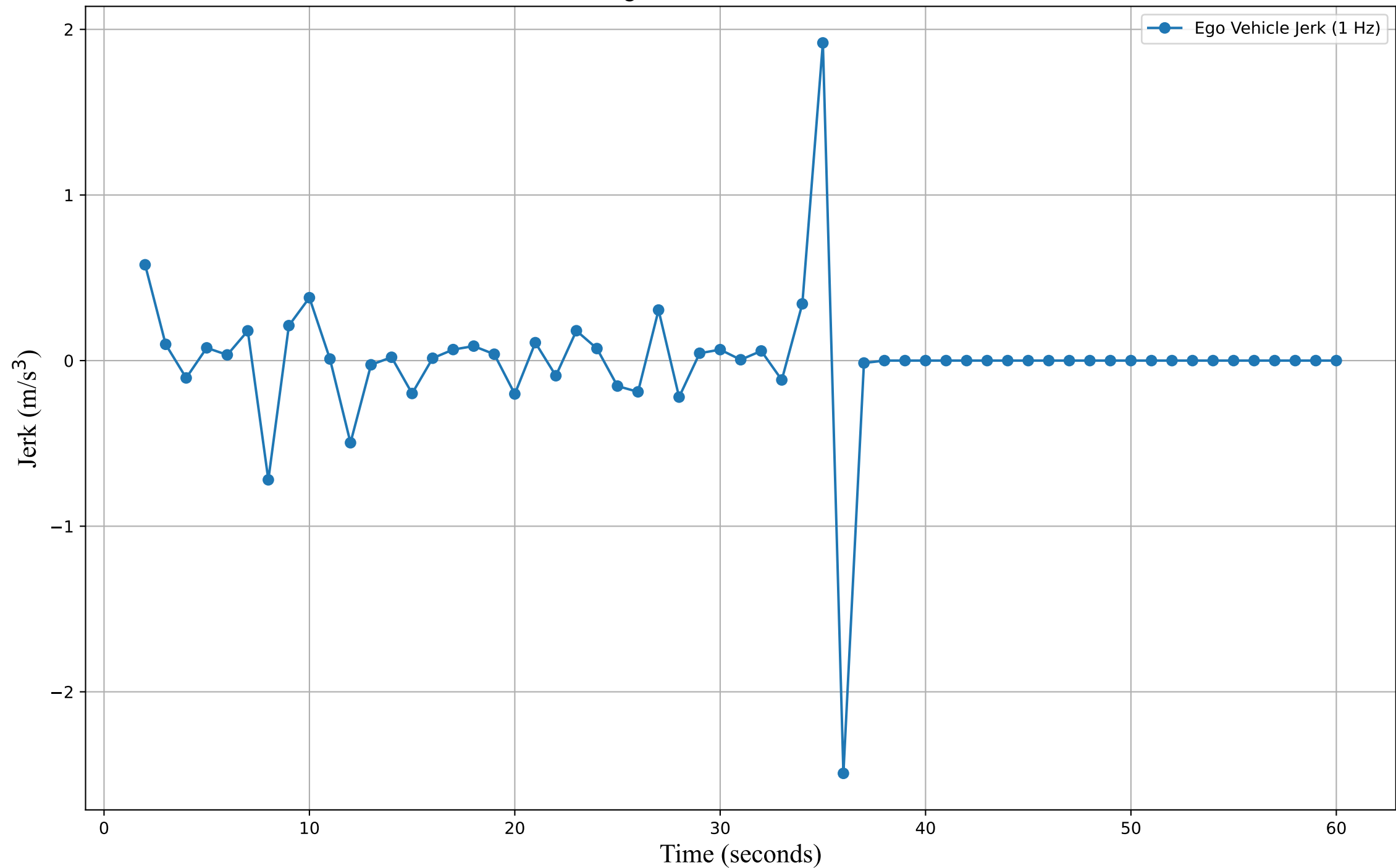
Ego Vehicle Jerk Over Time



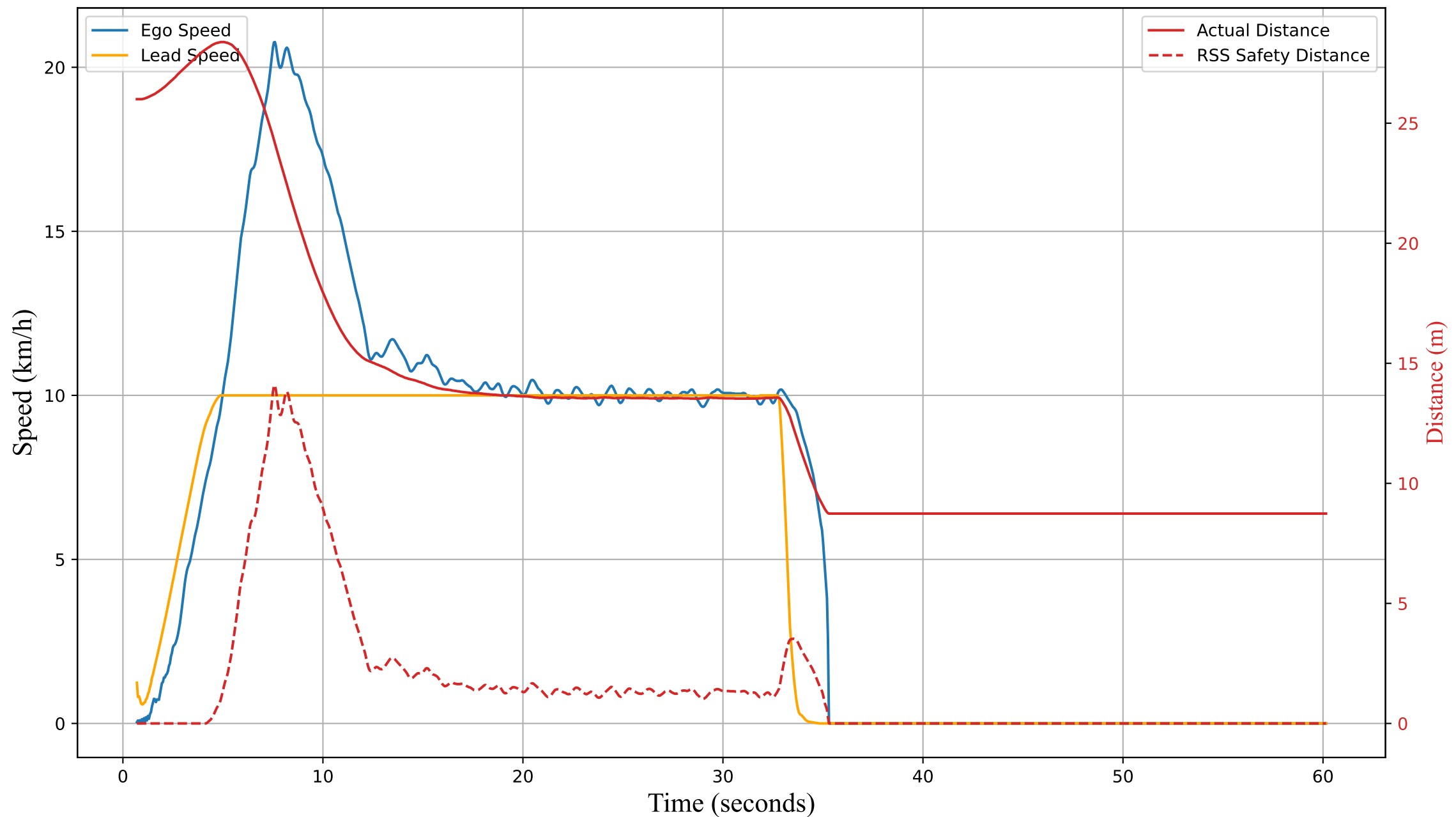
Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m
Ego Vehicle Jerk Over Time

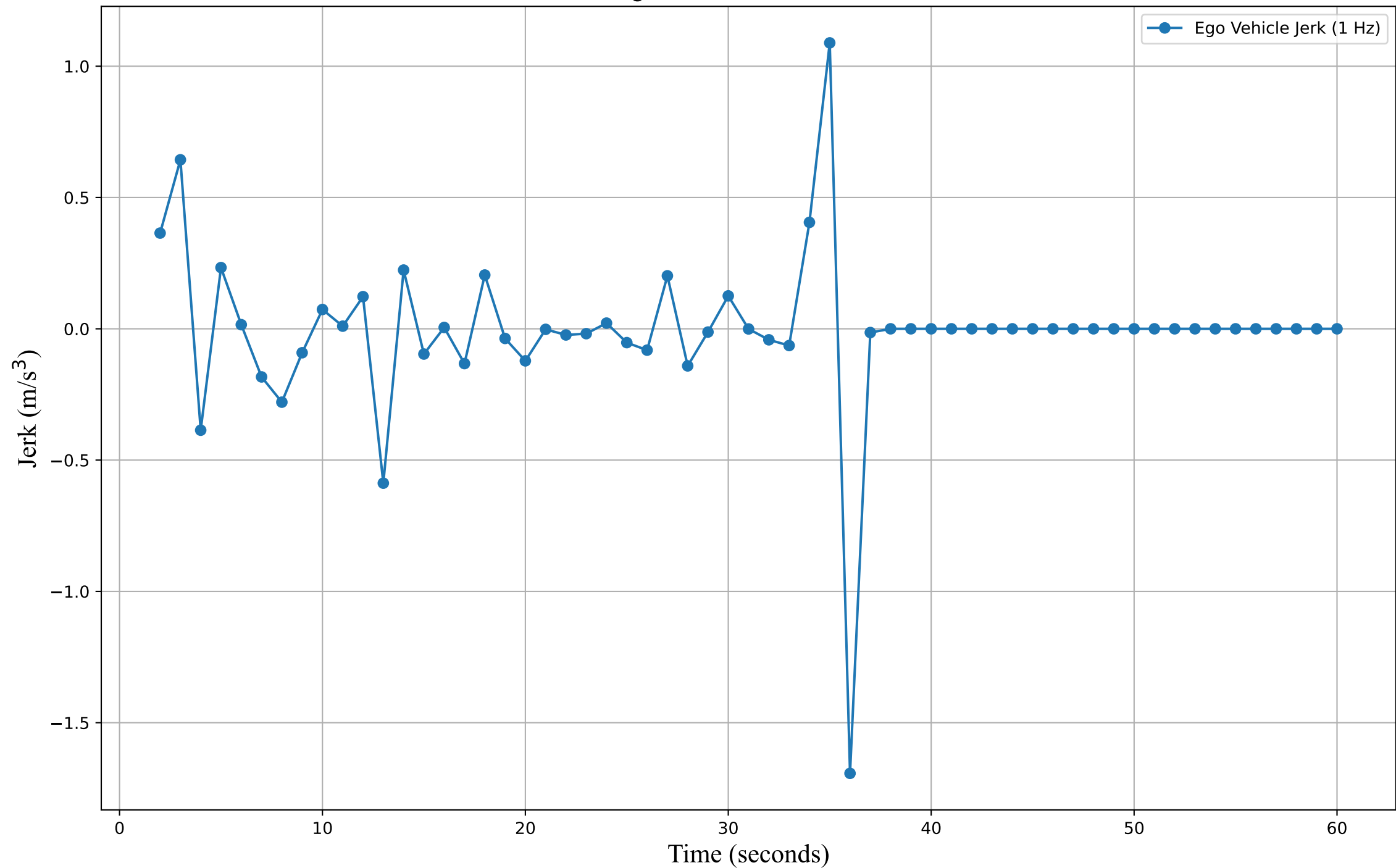


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

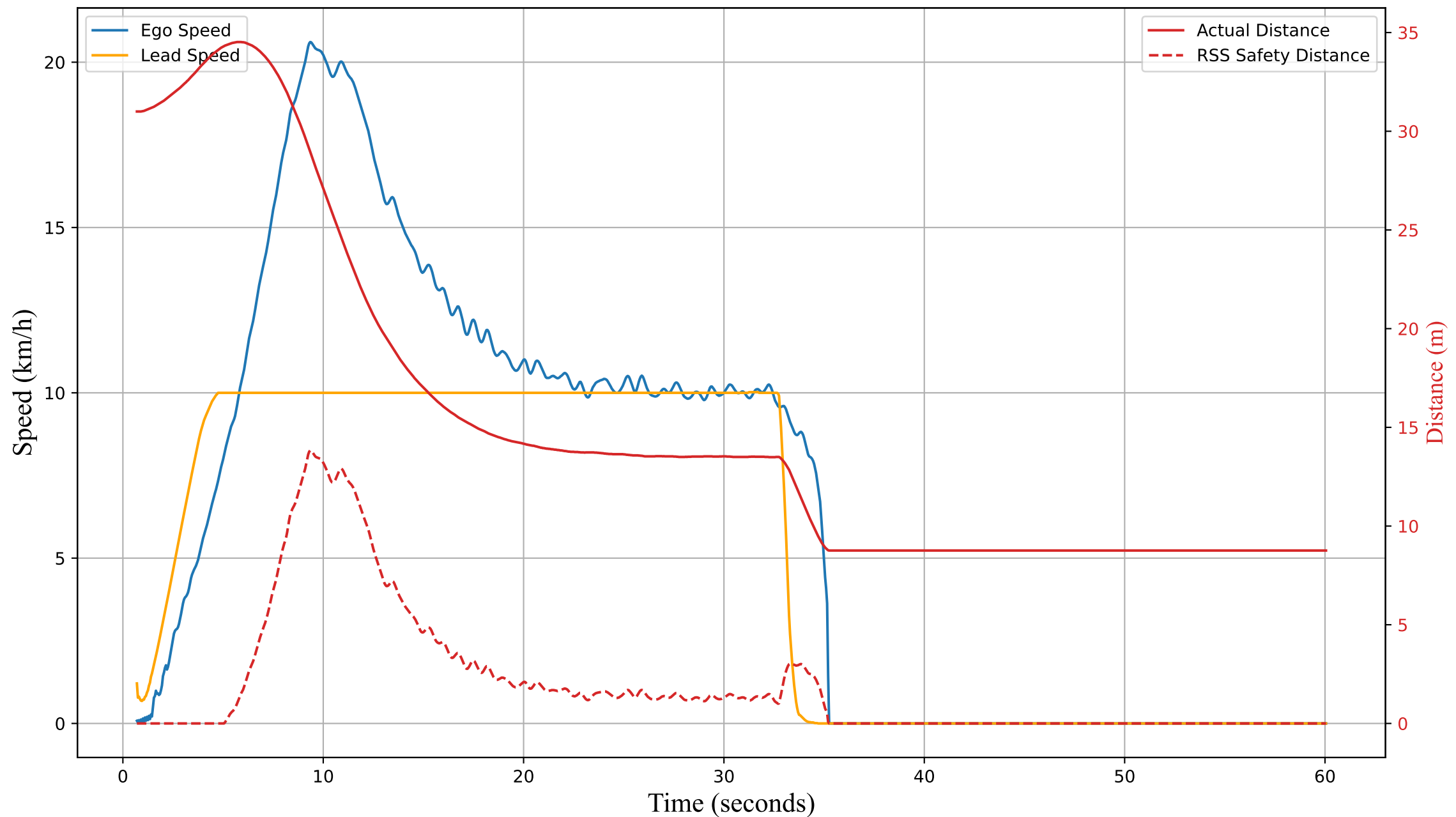


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

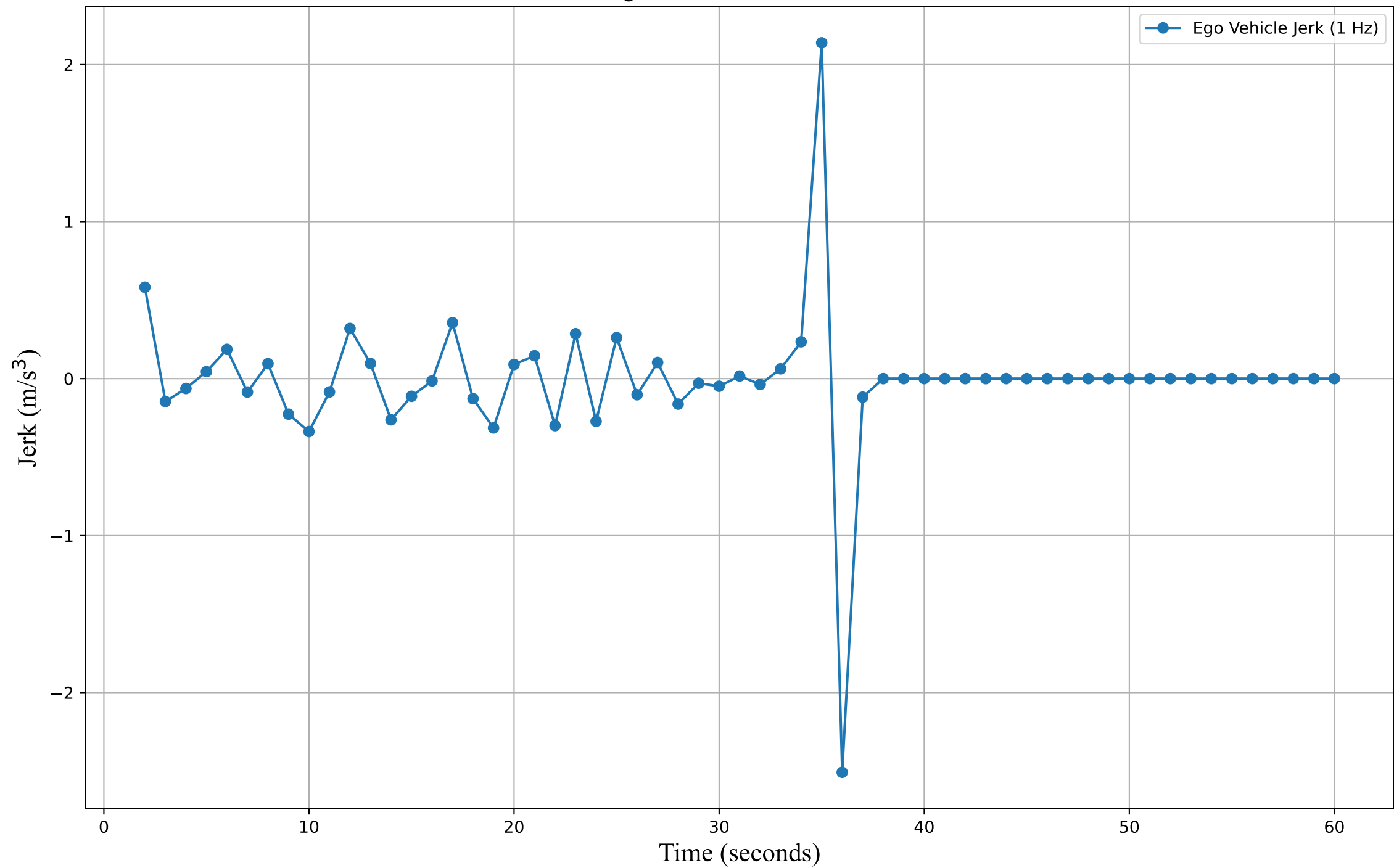


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

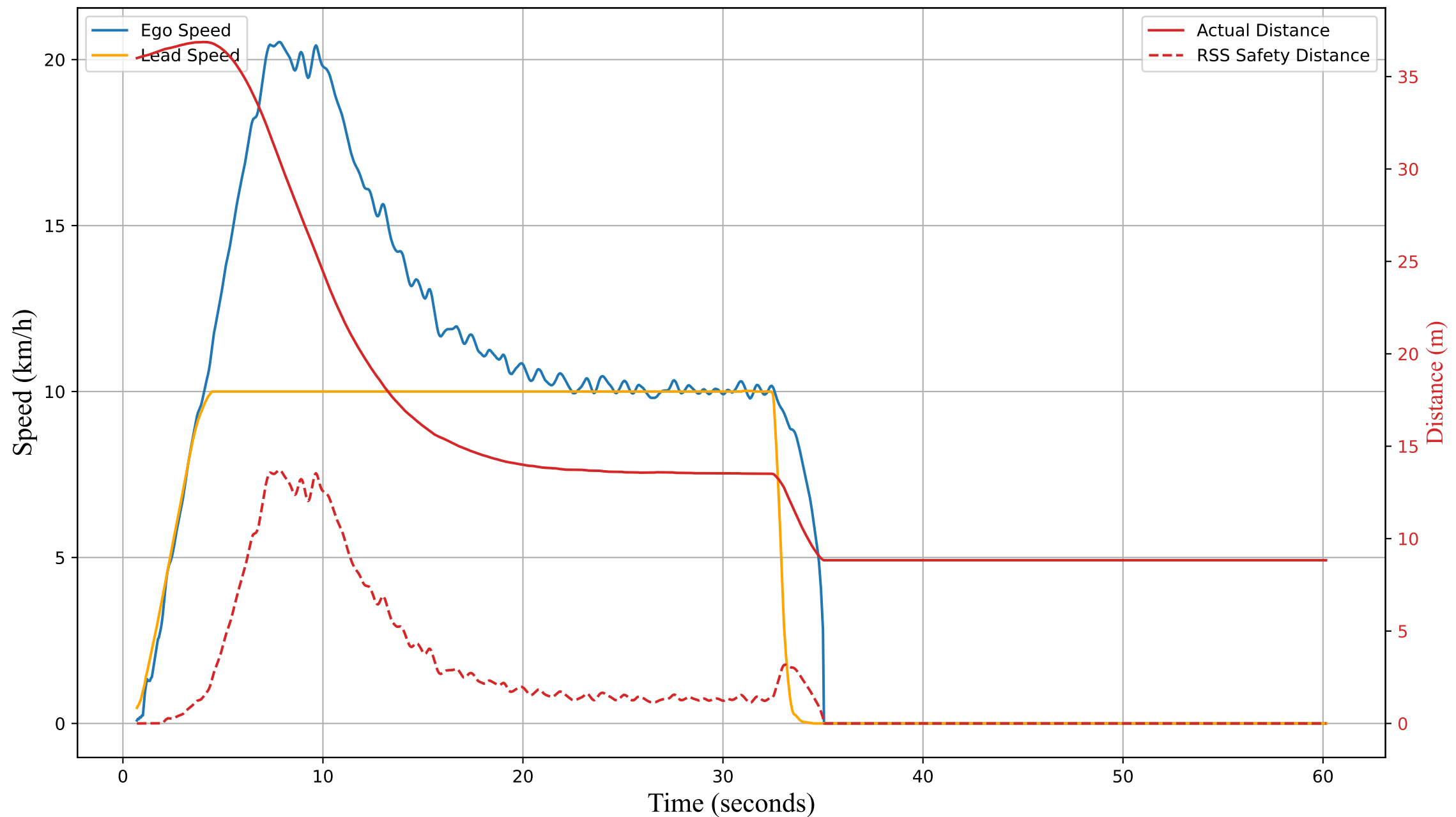


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m

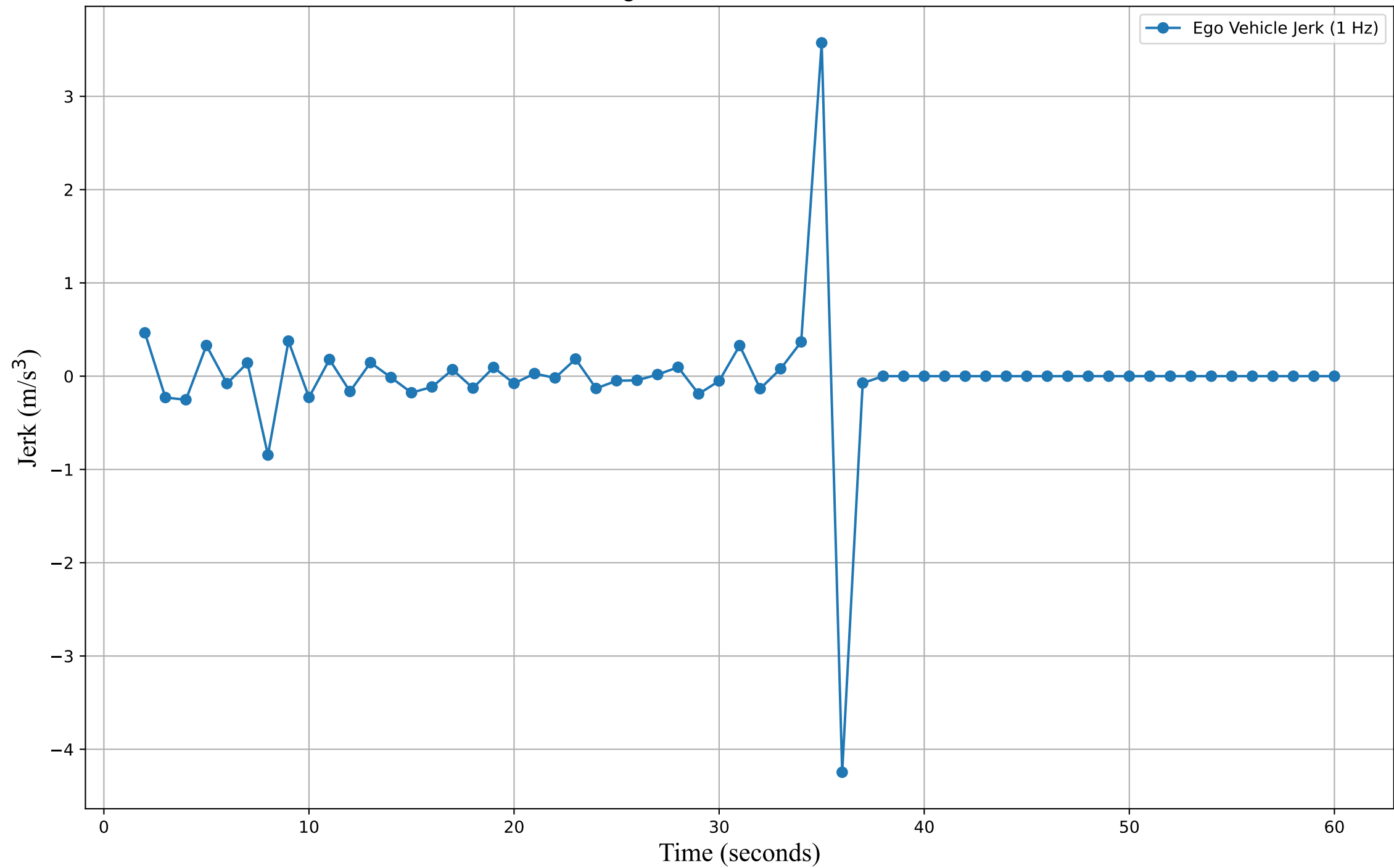
Ego Vehicle Jerk Over Time



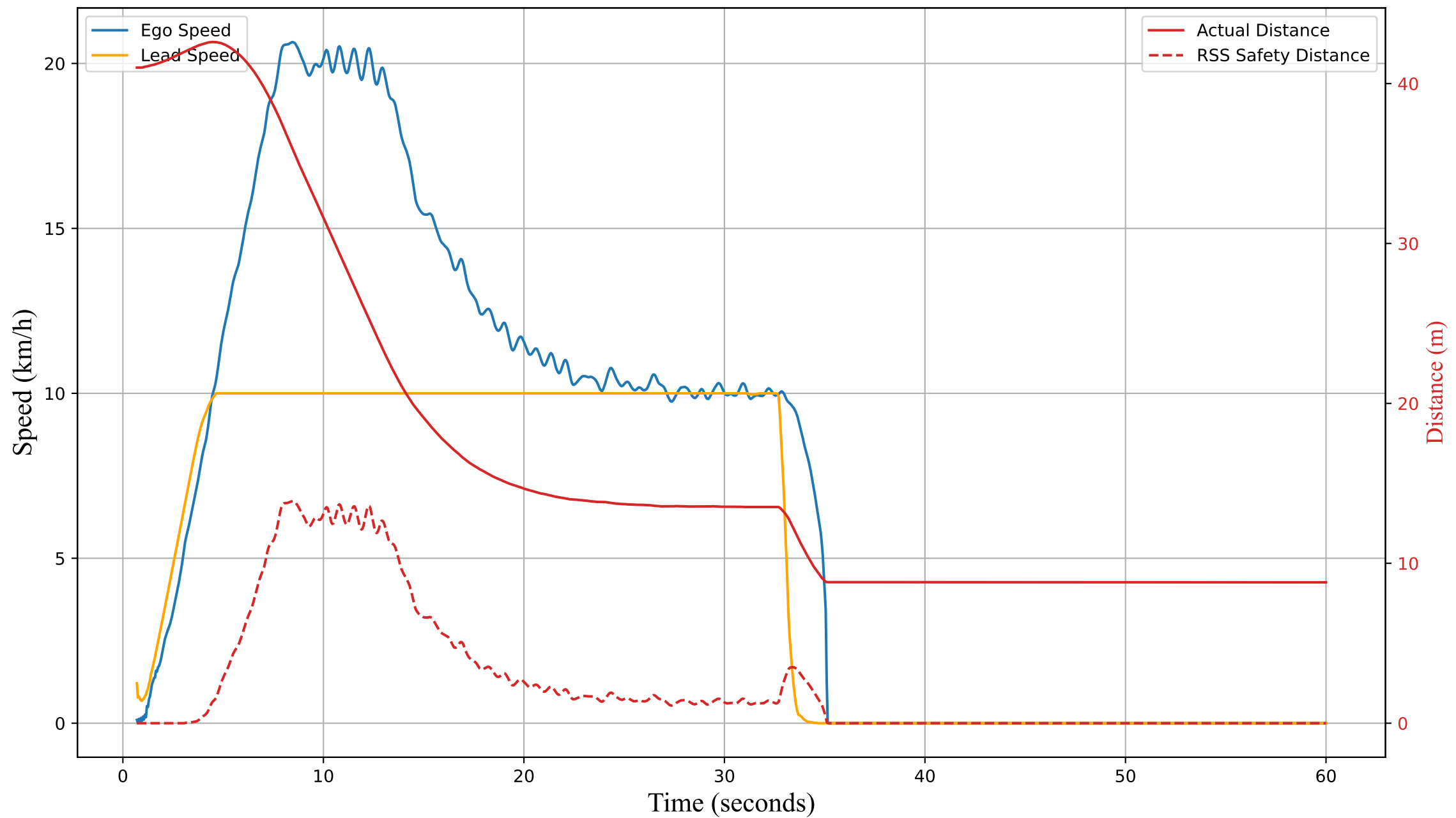
Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m
Ego Vehicle Jerk Over Time

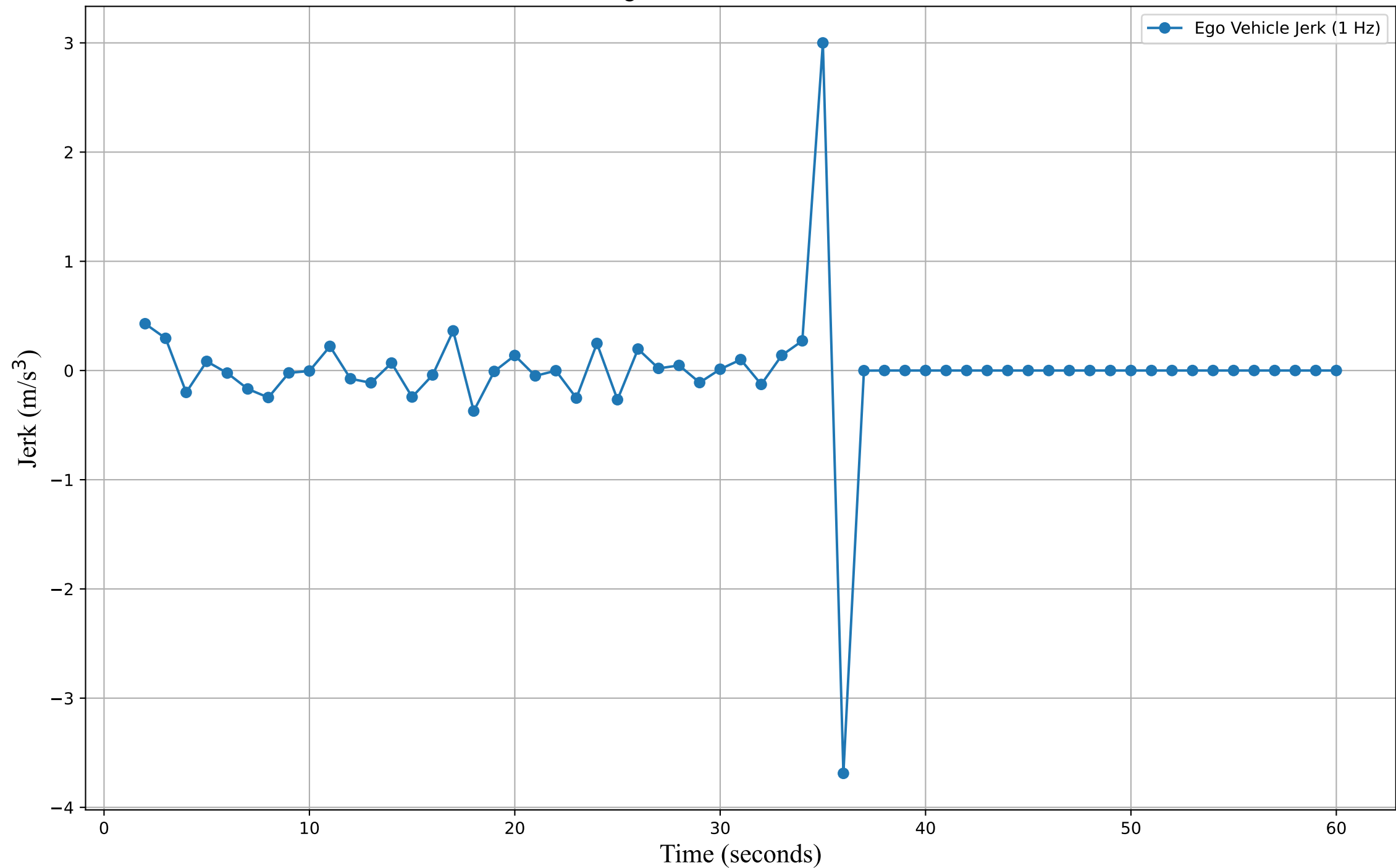


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

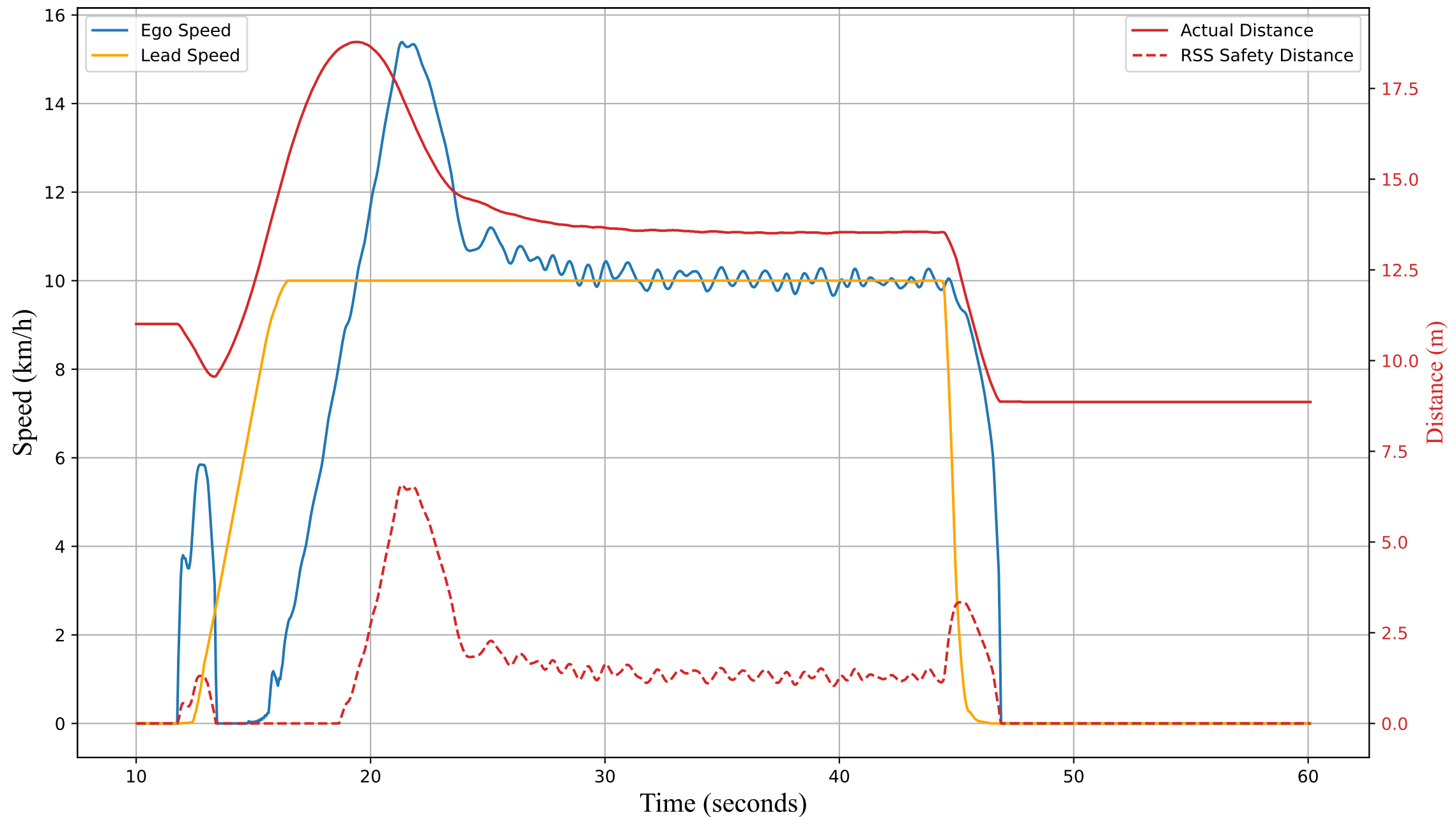


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

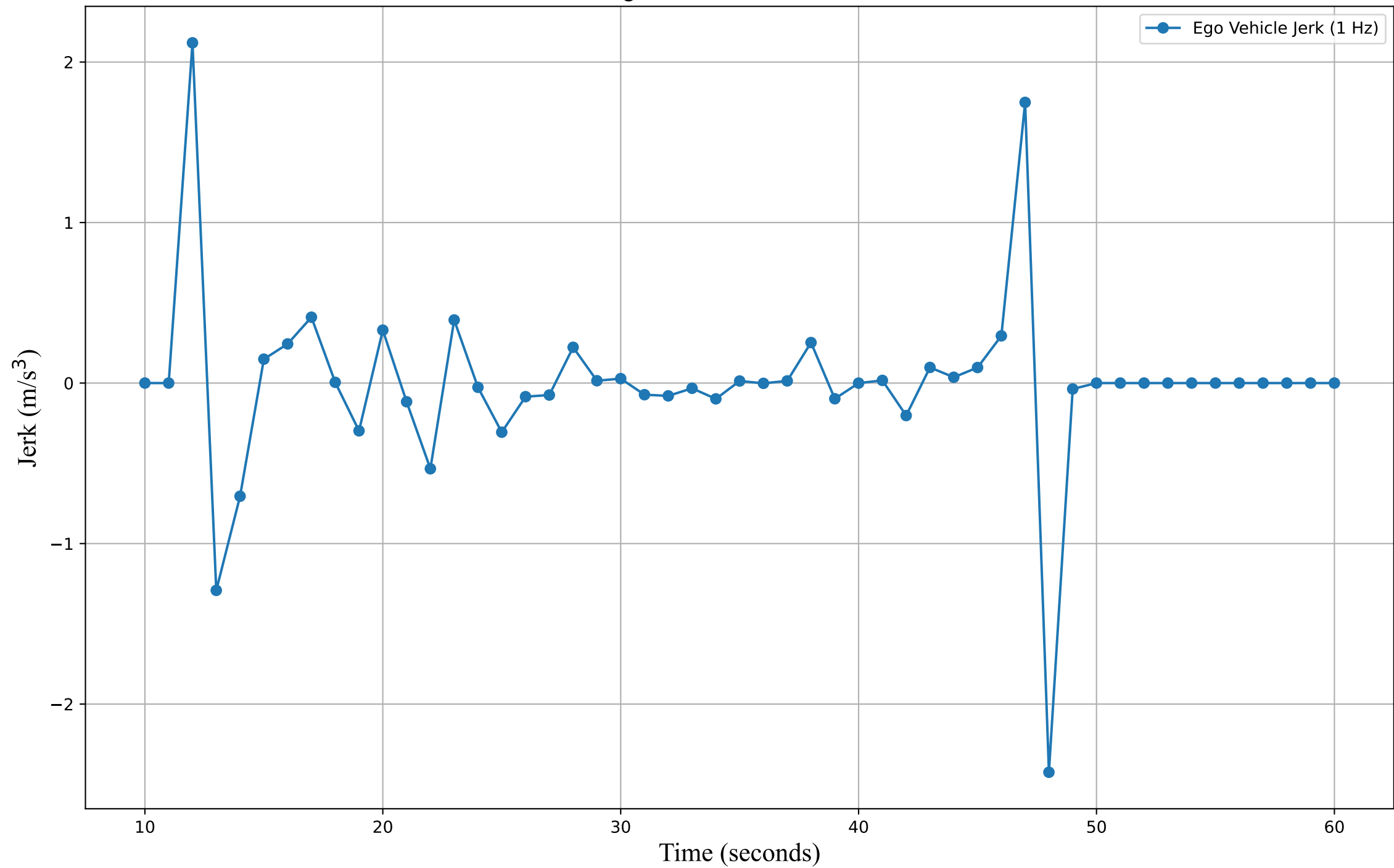


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

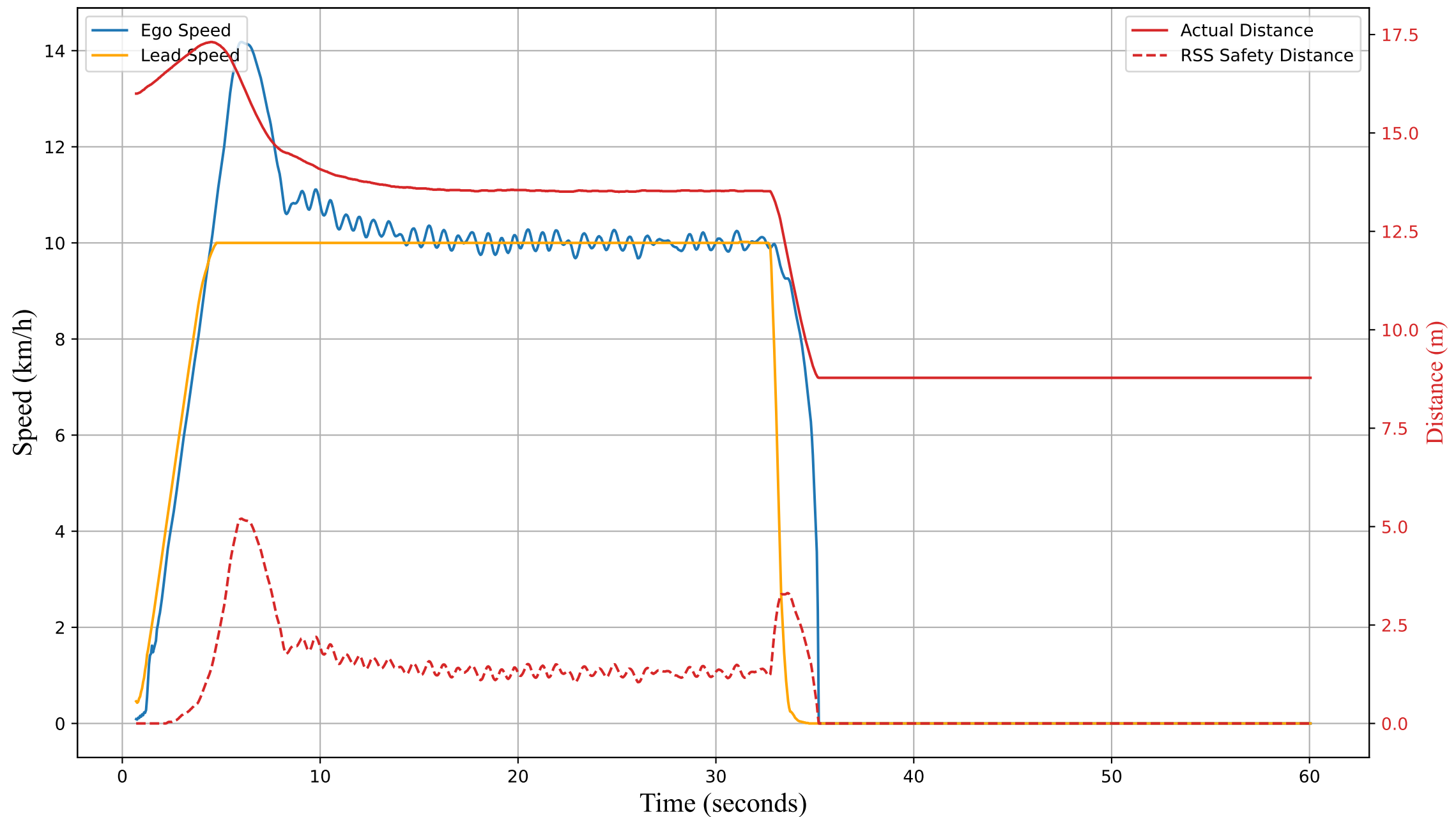


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

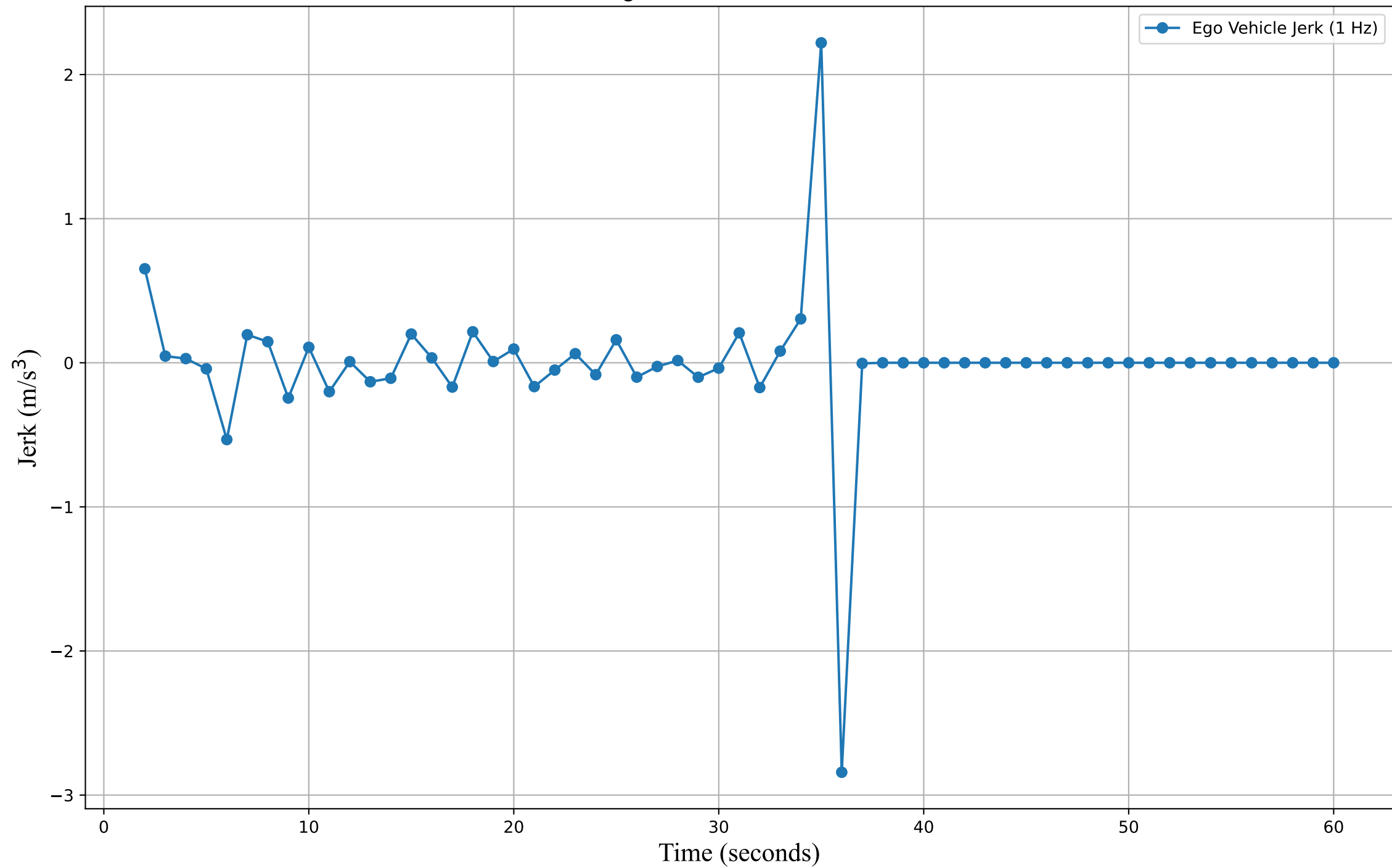


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

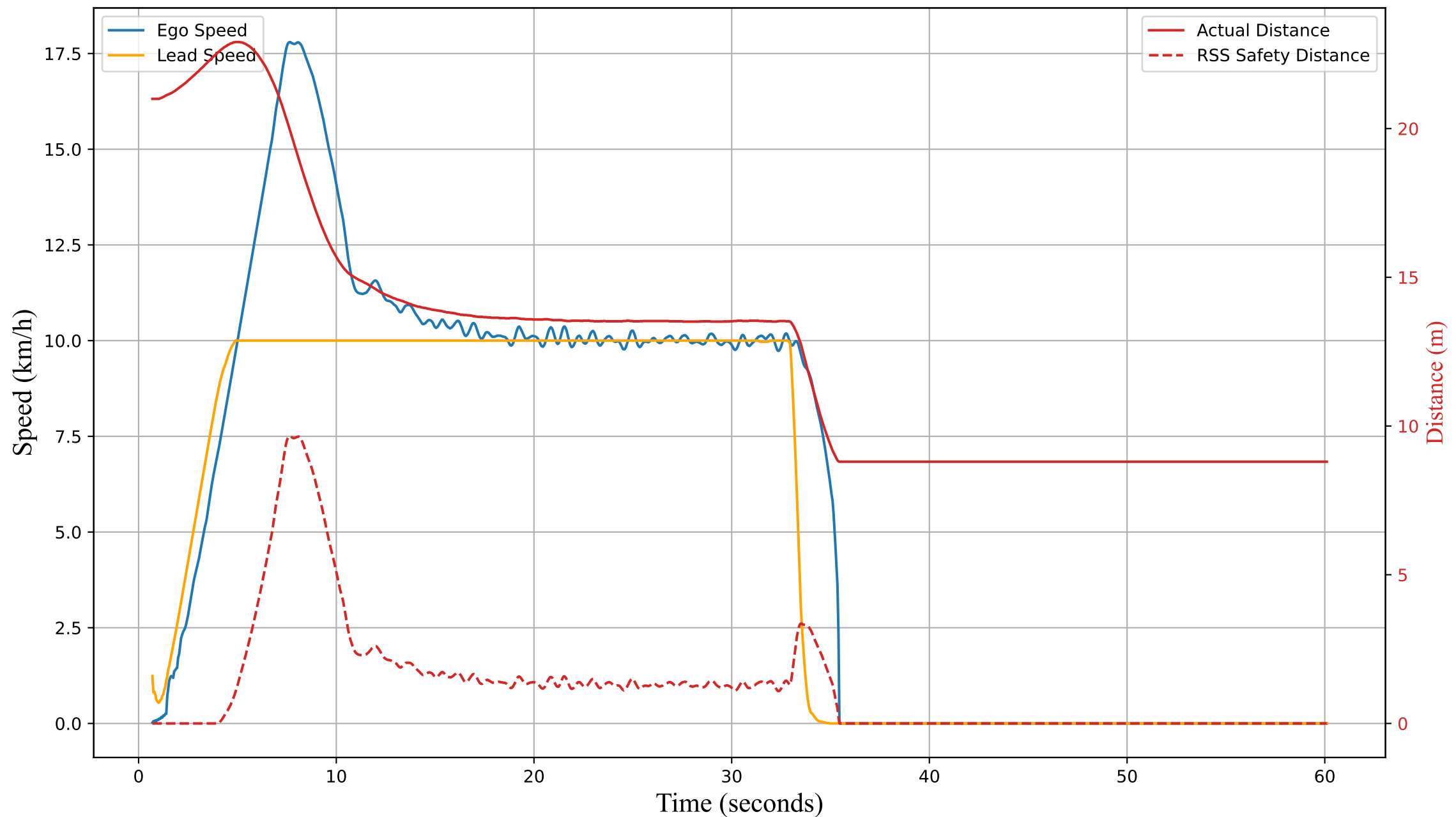


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

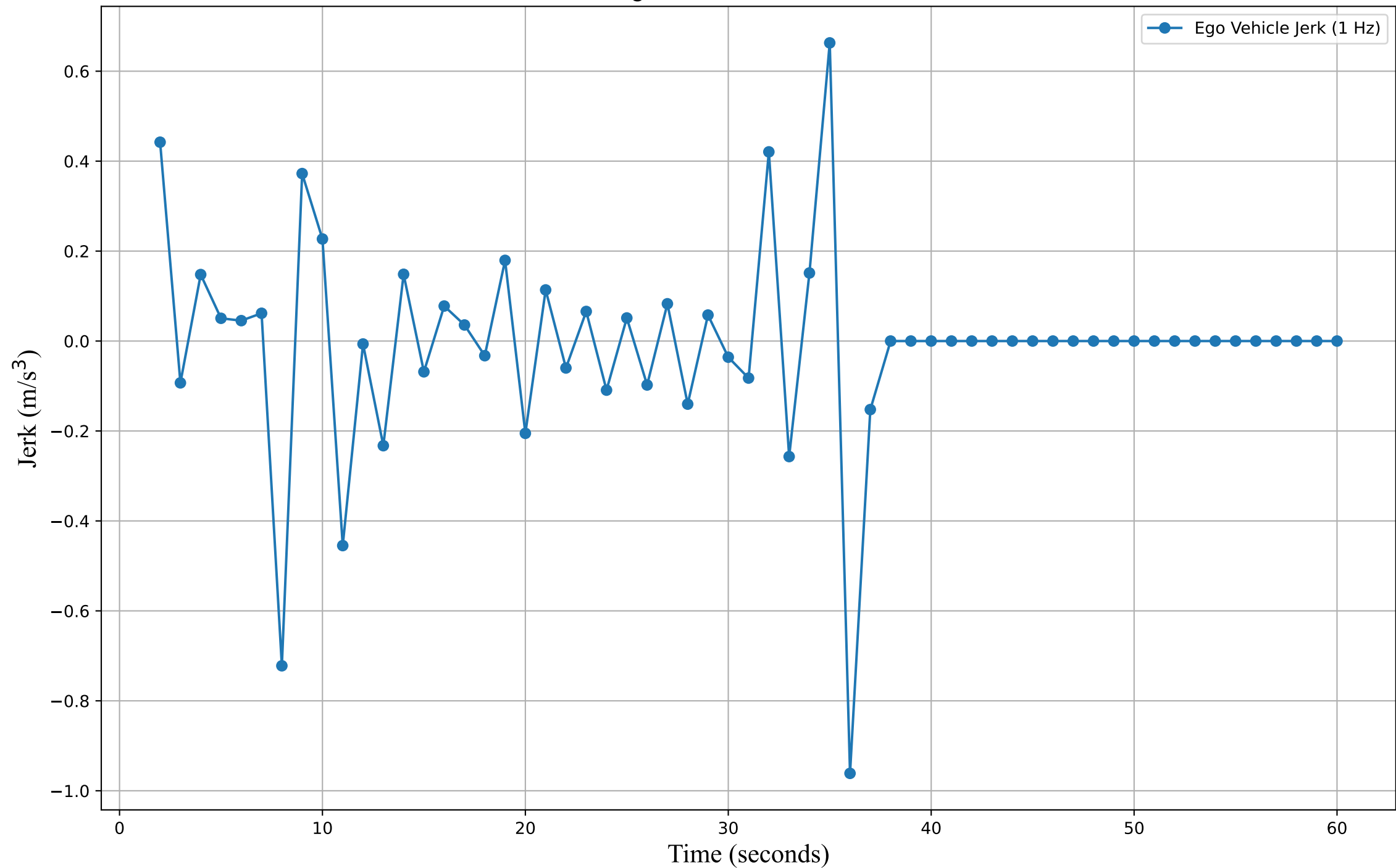


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

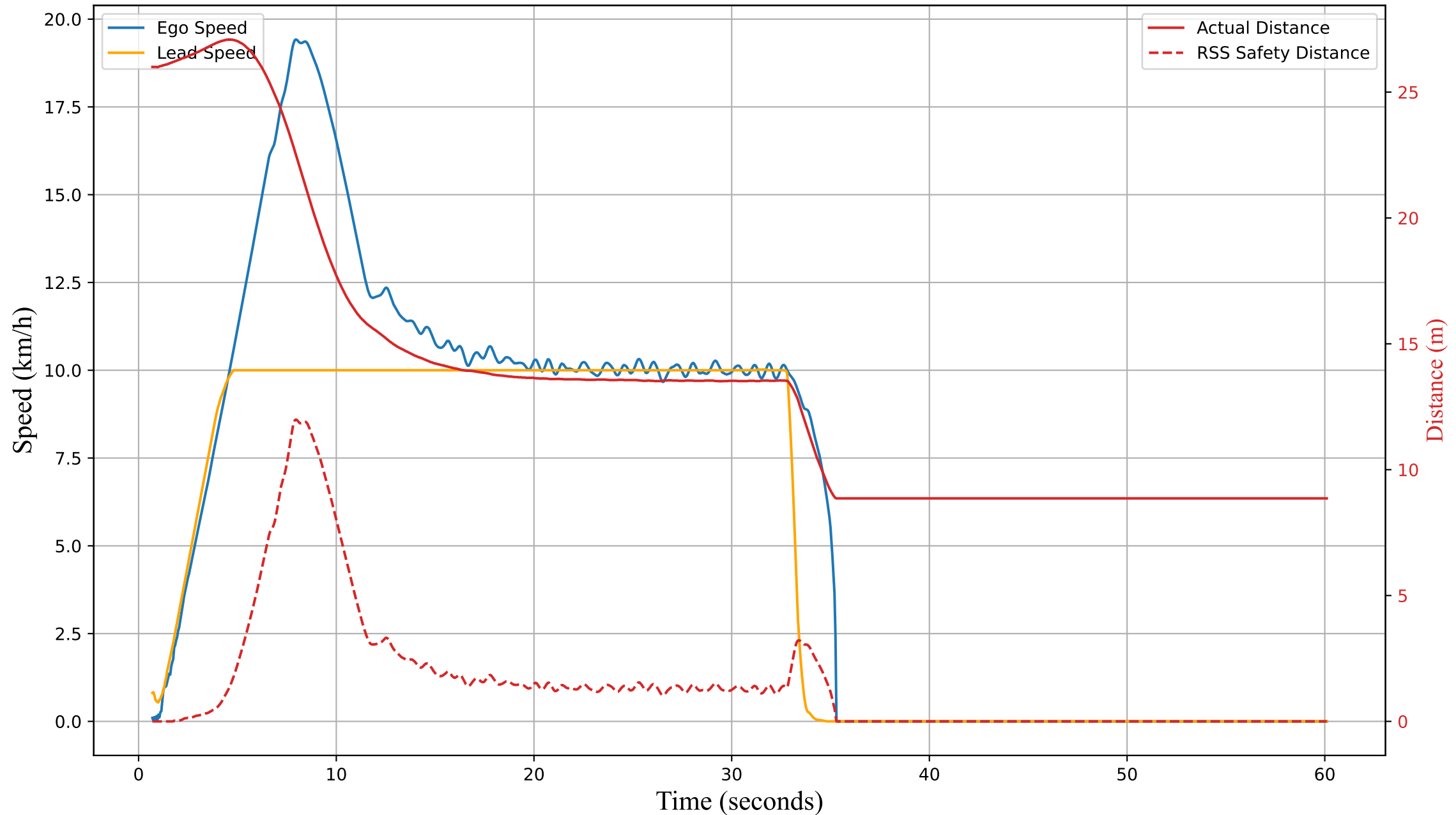


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

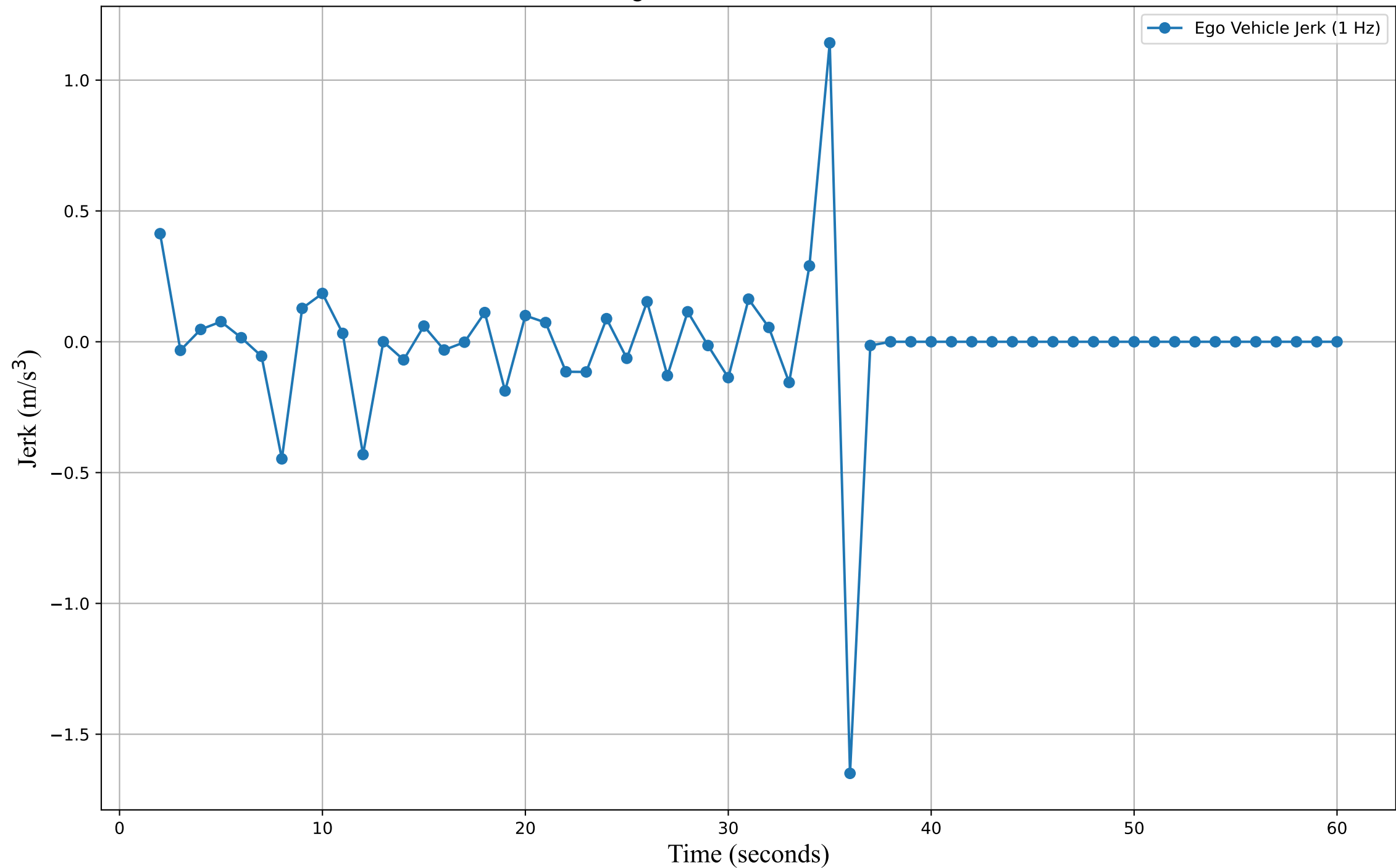


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

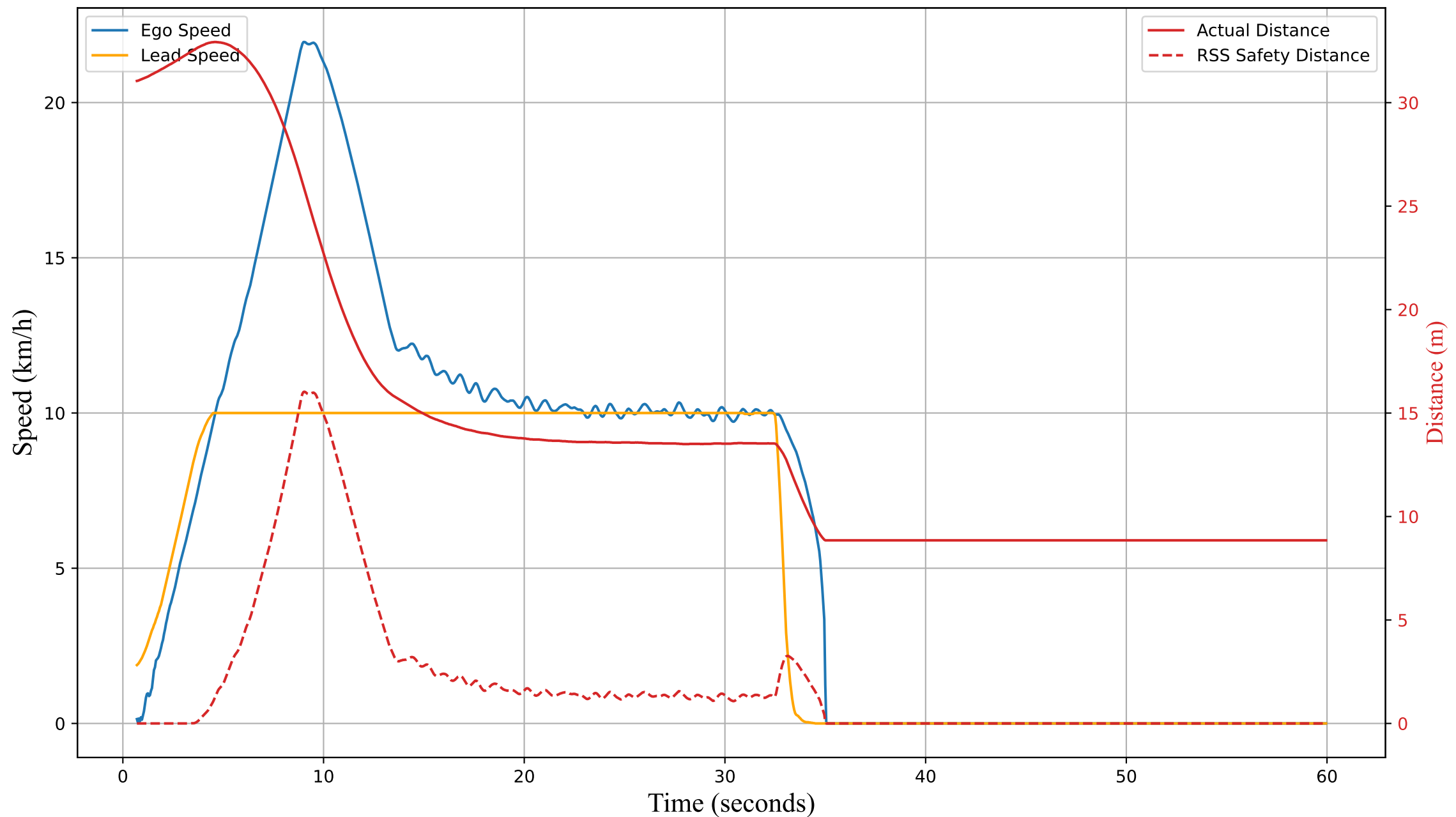


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

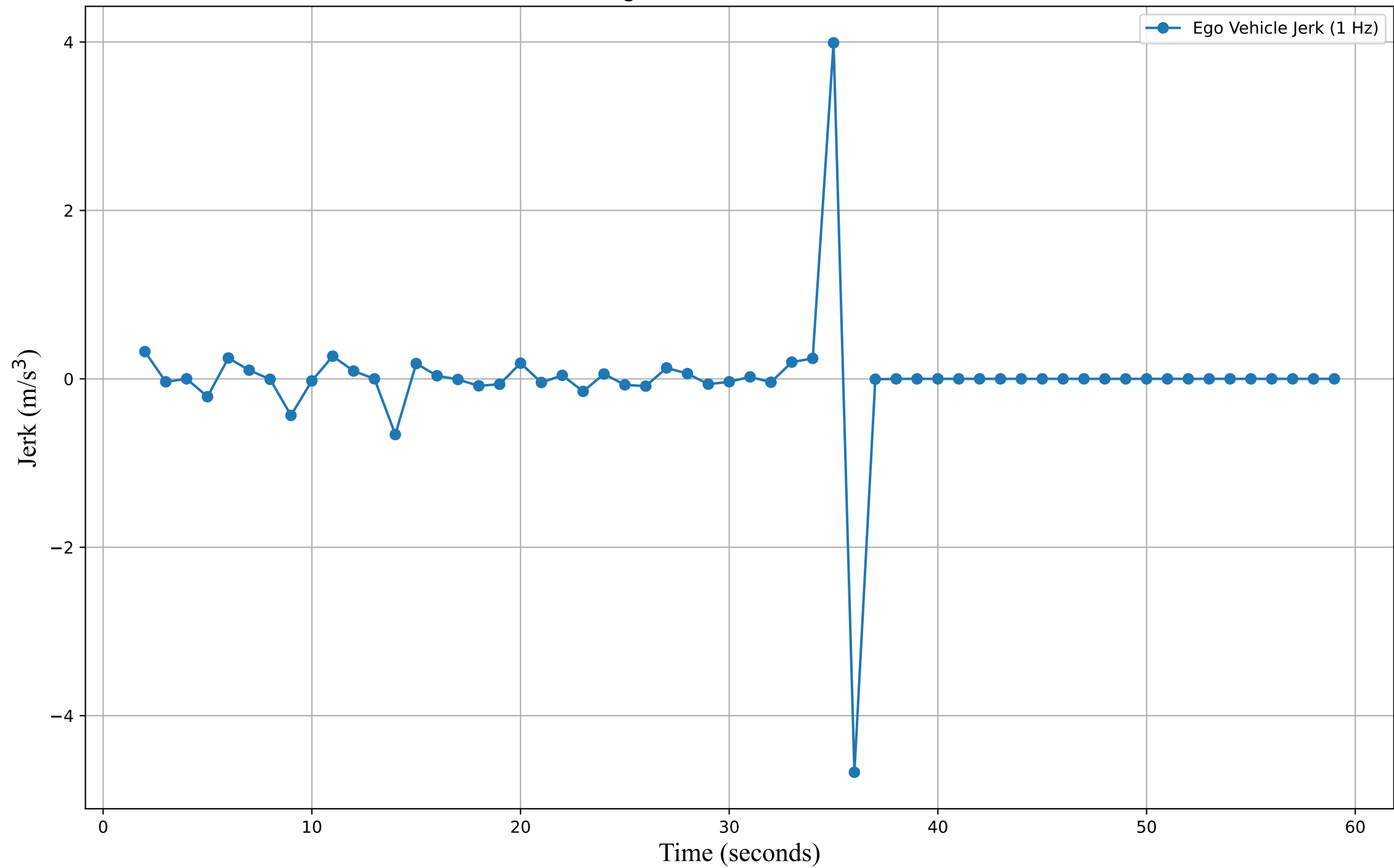


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

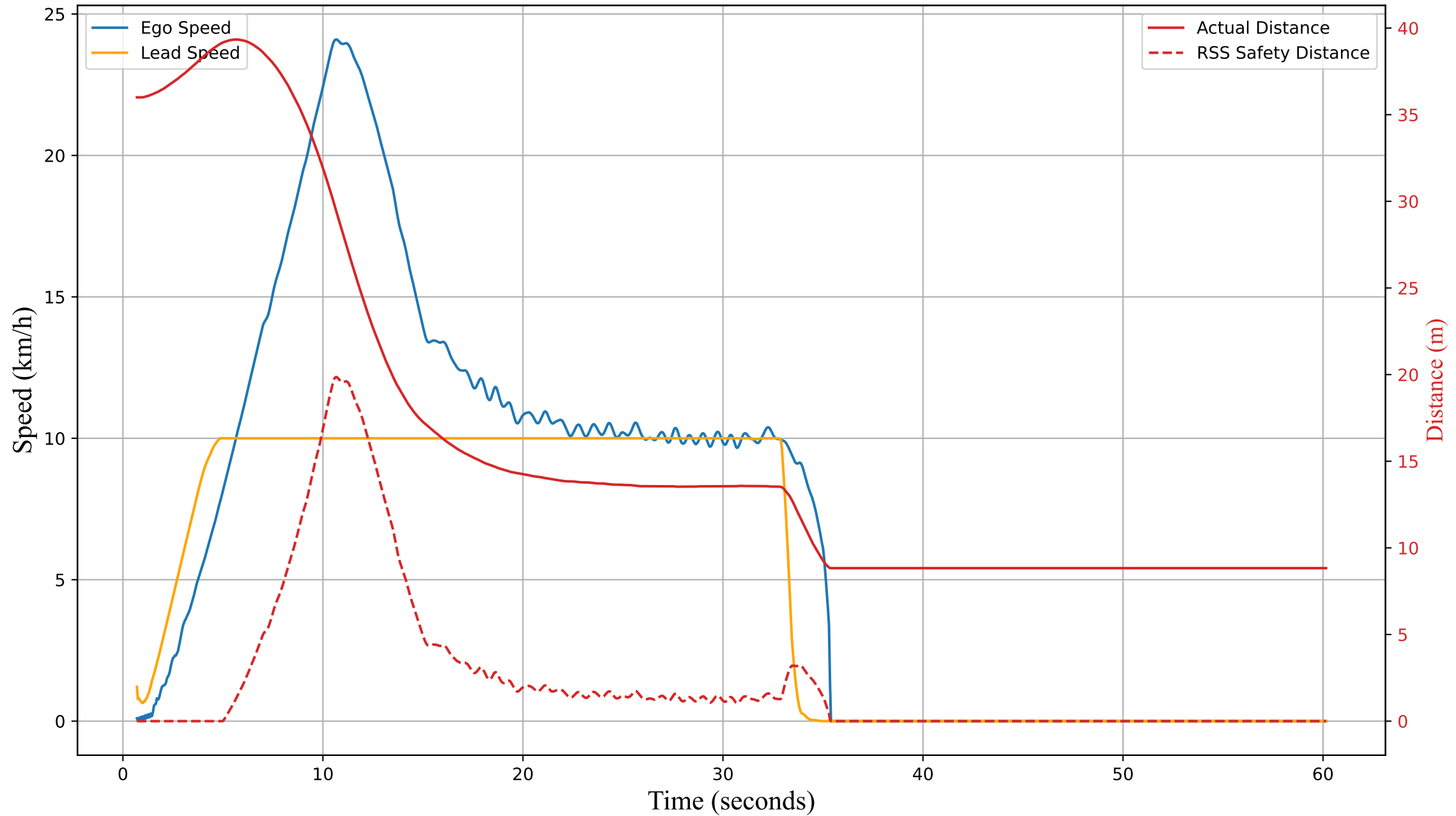


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

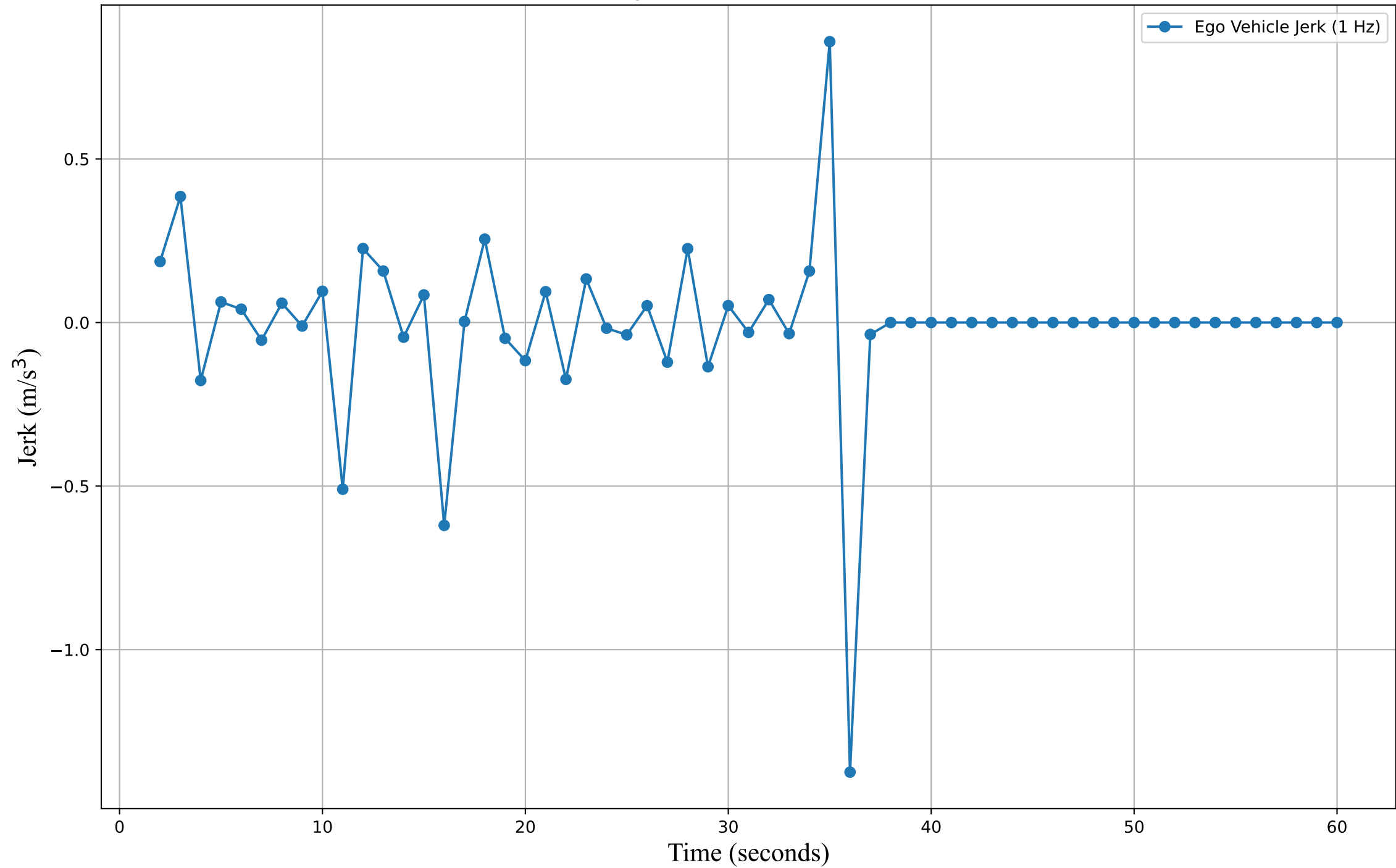


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

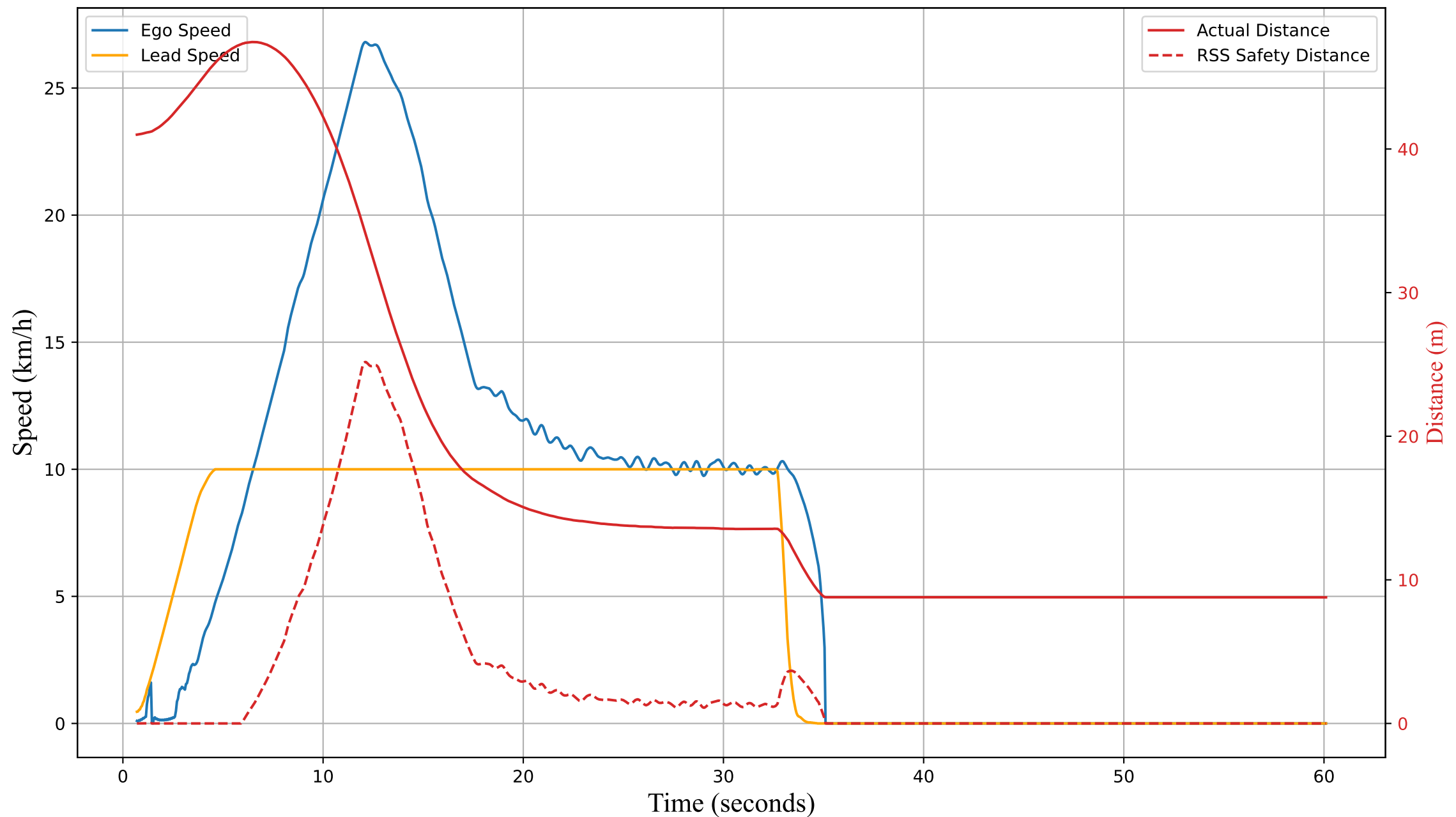


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time

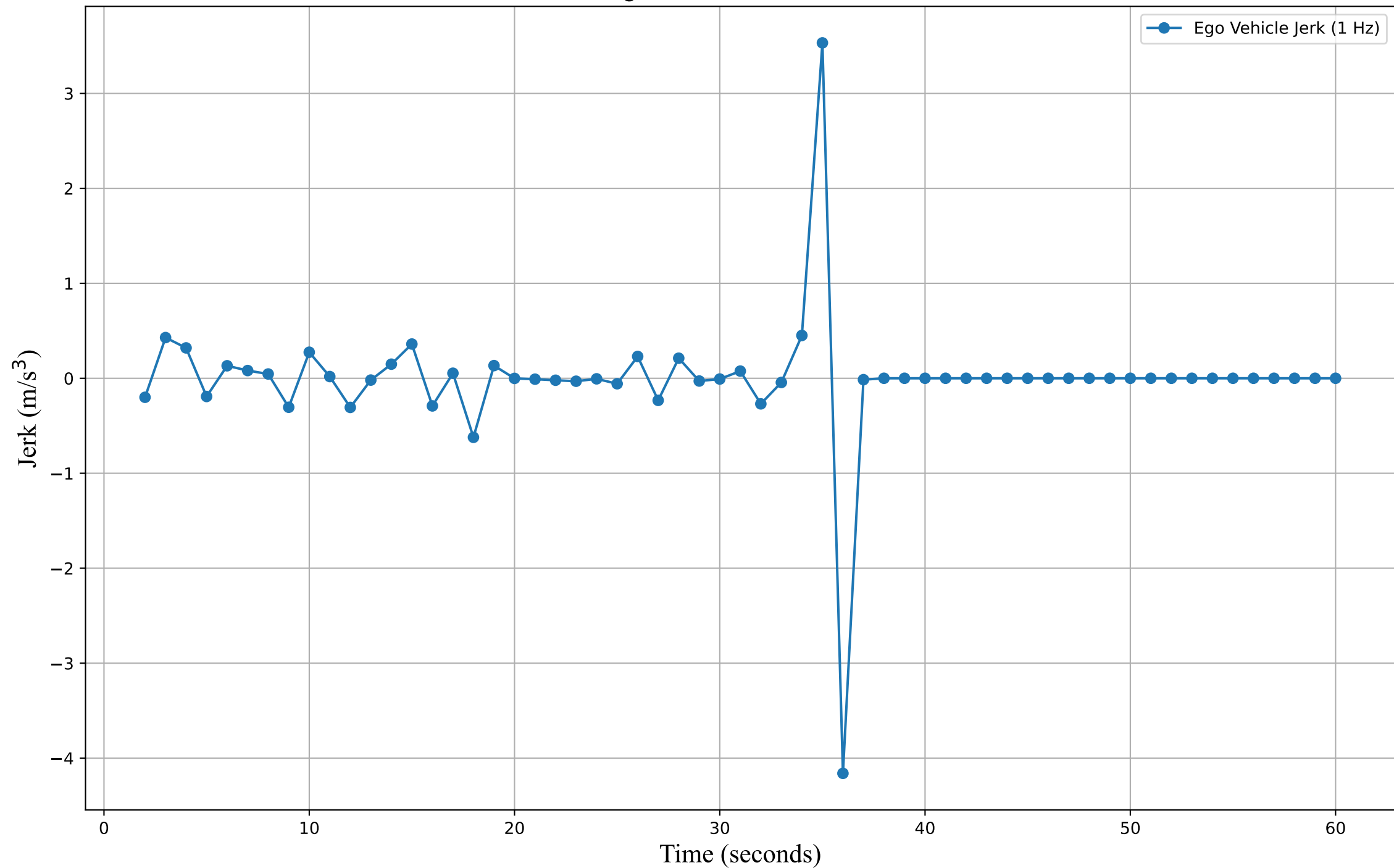


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

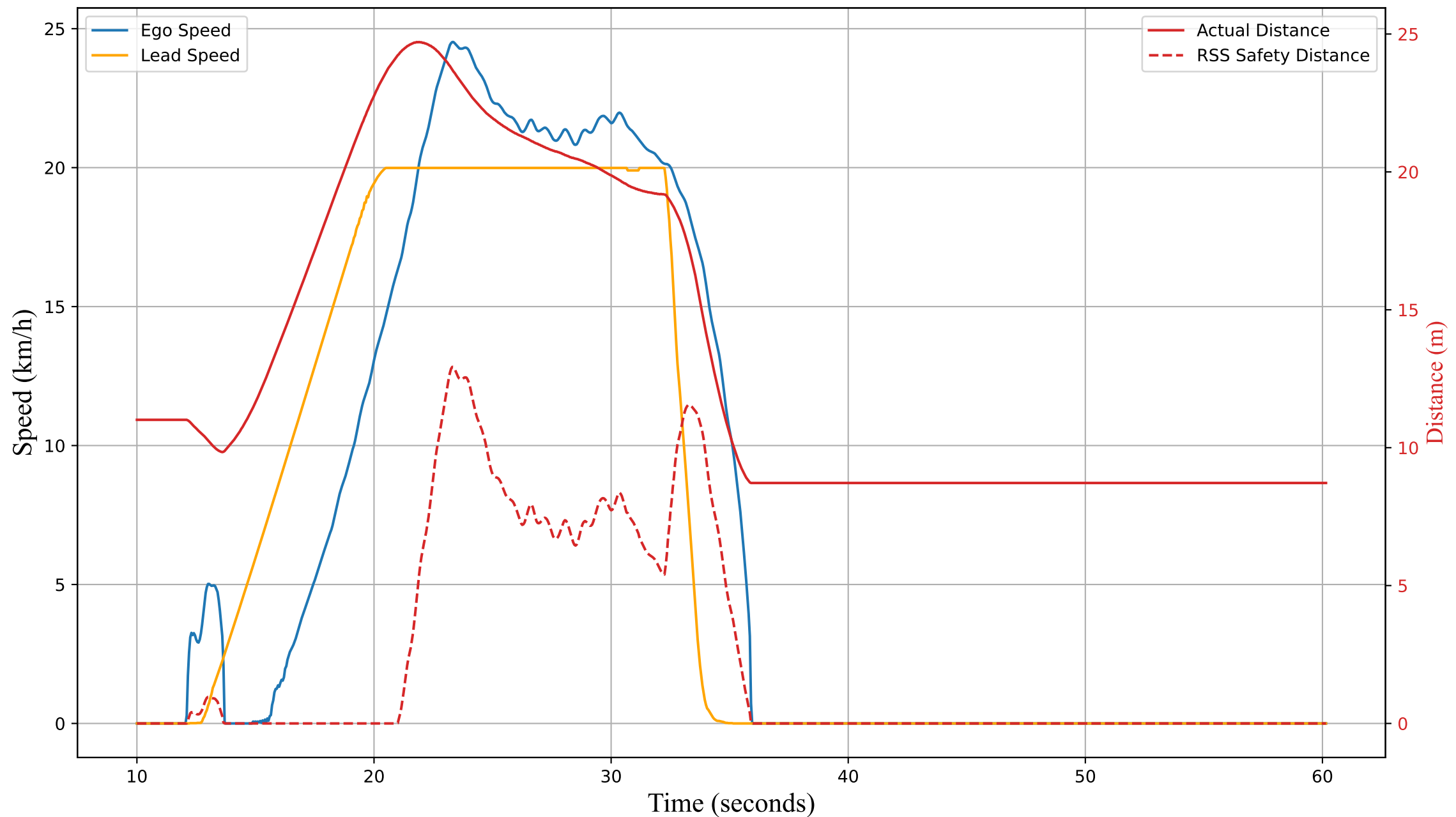


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

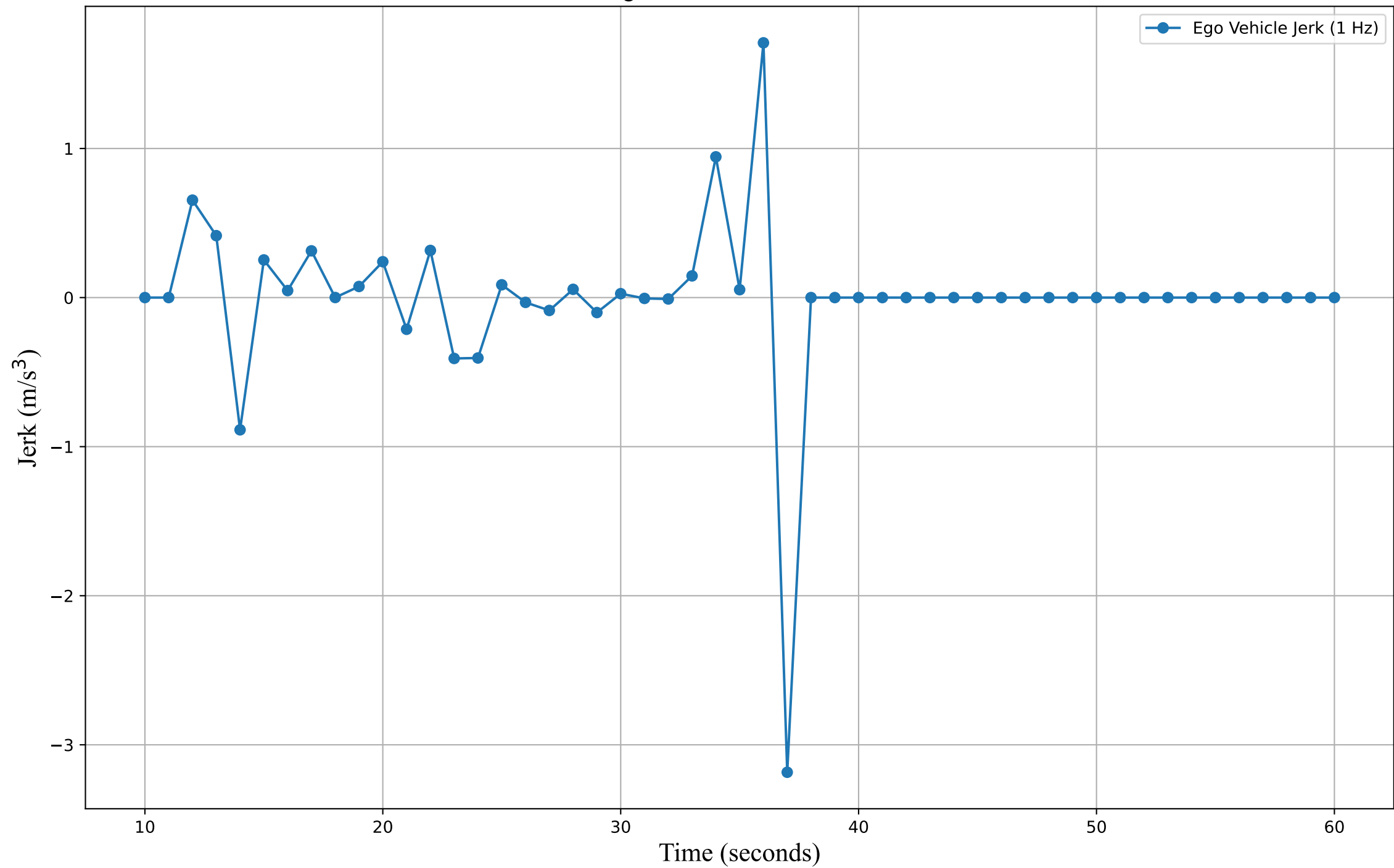


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

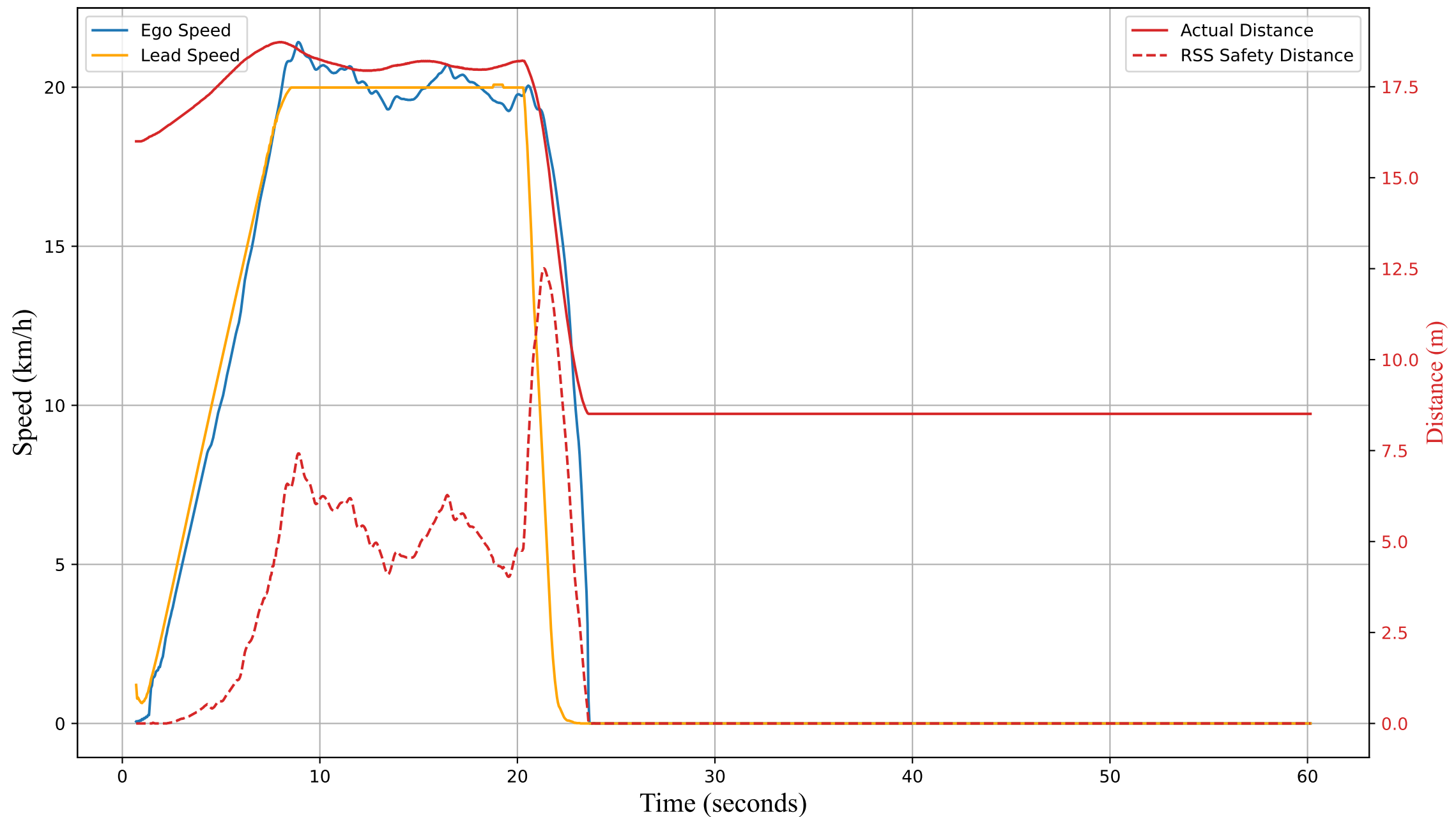


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

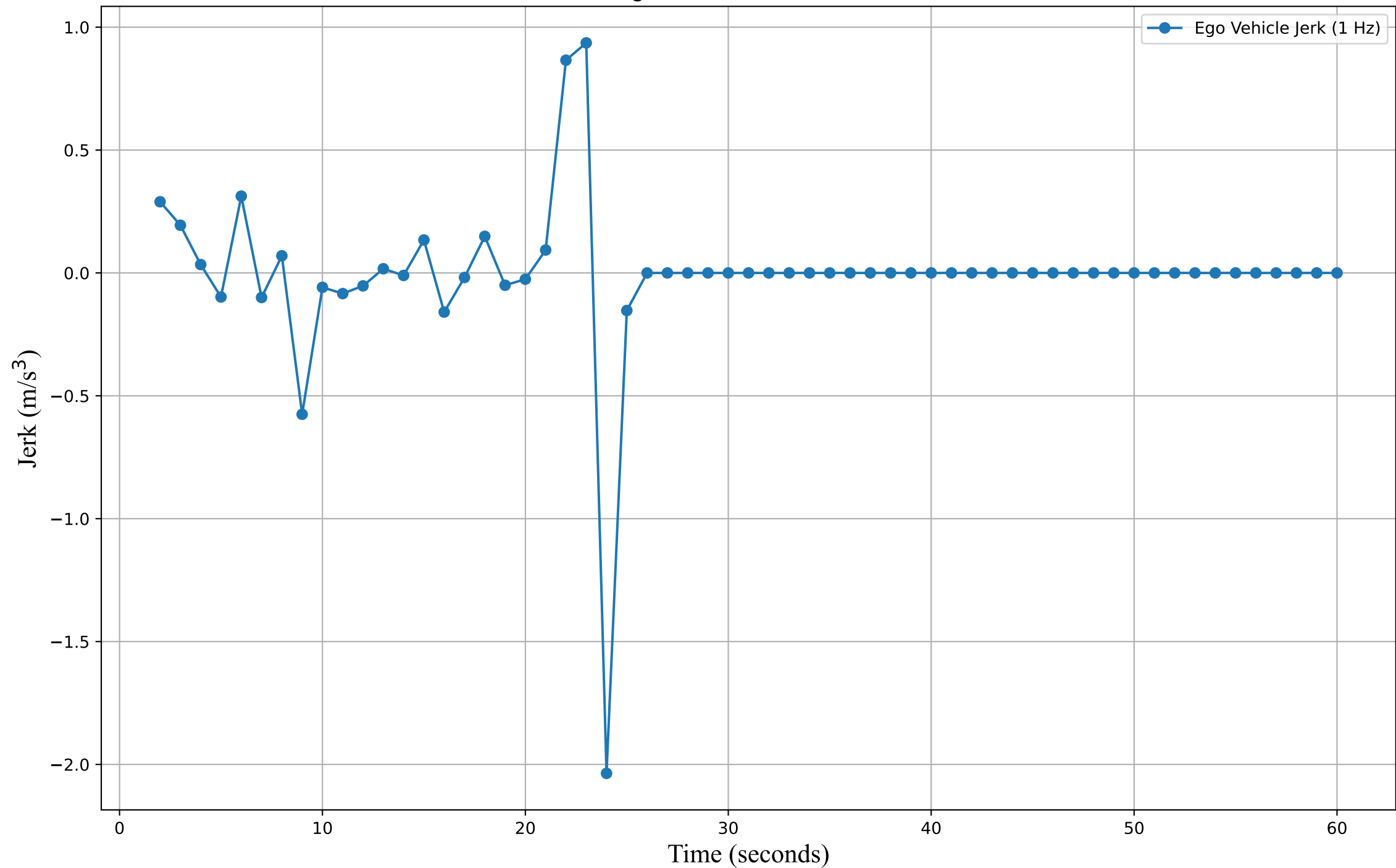


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

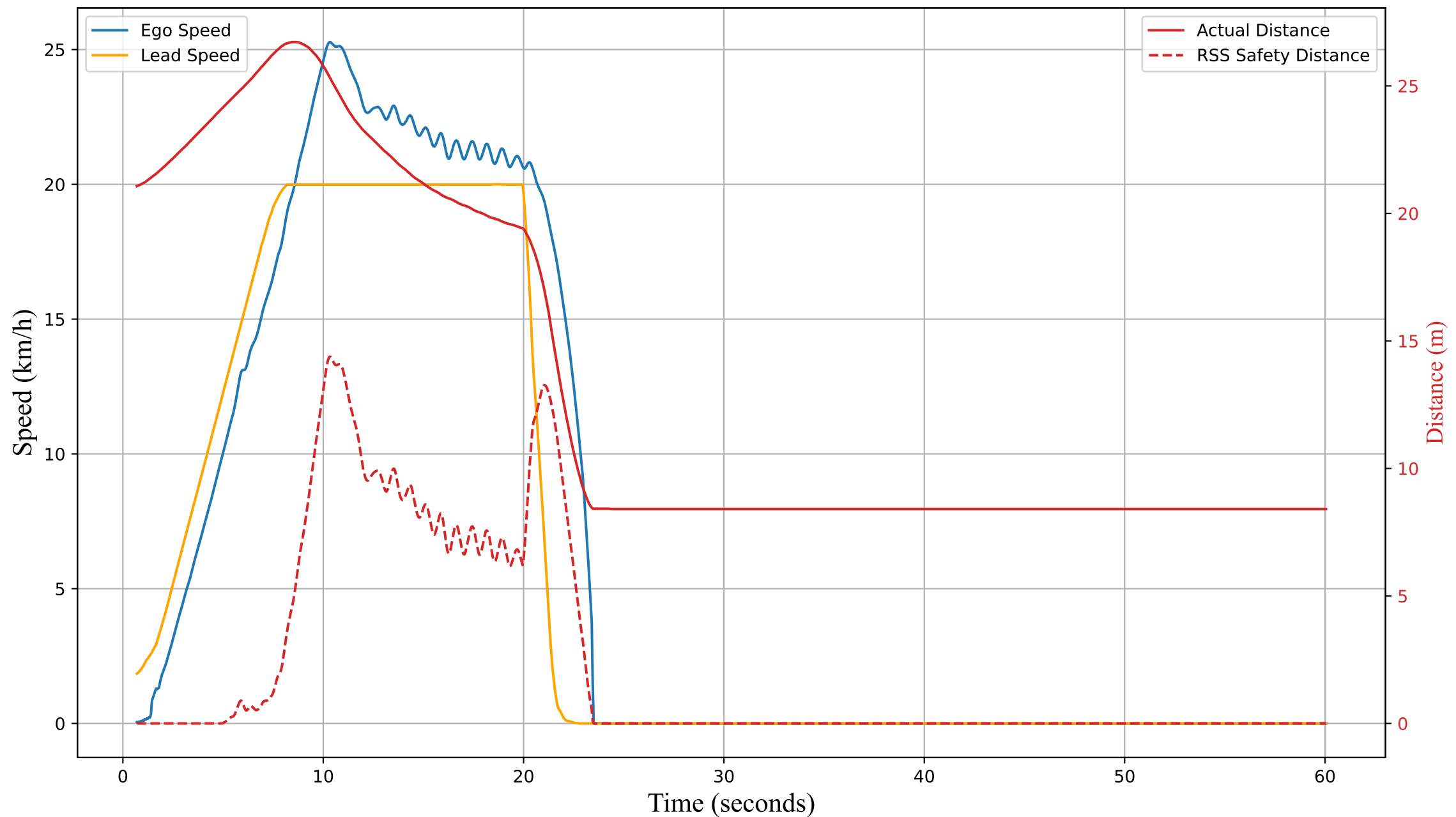


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

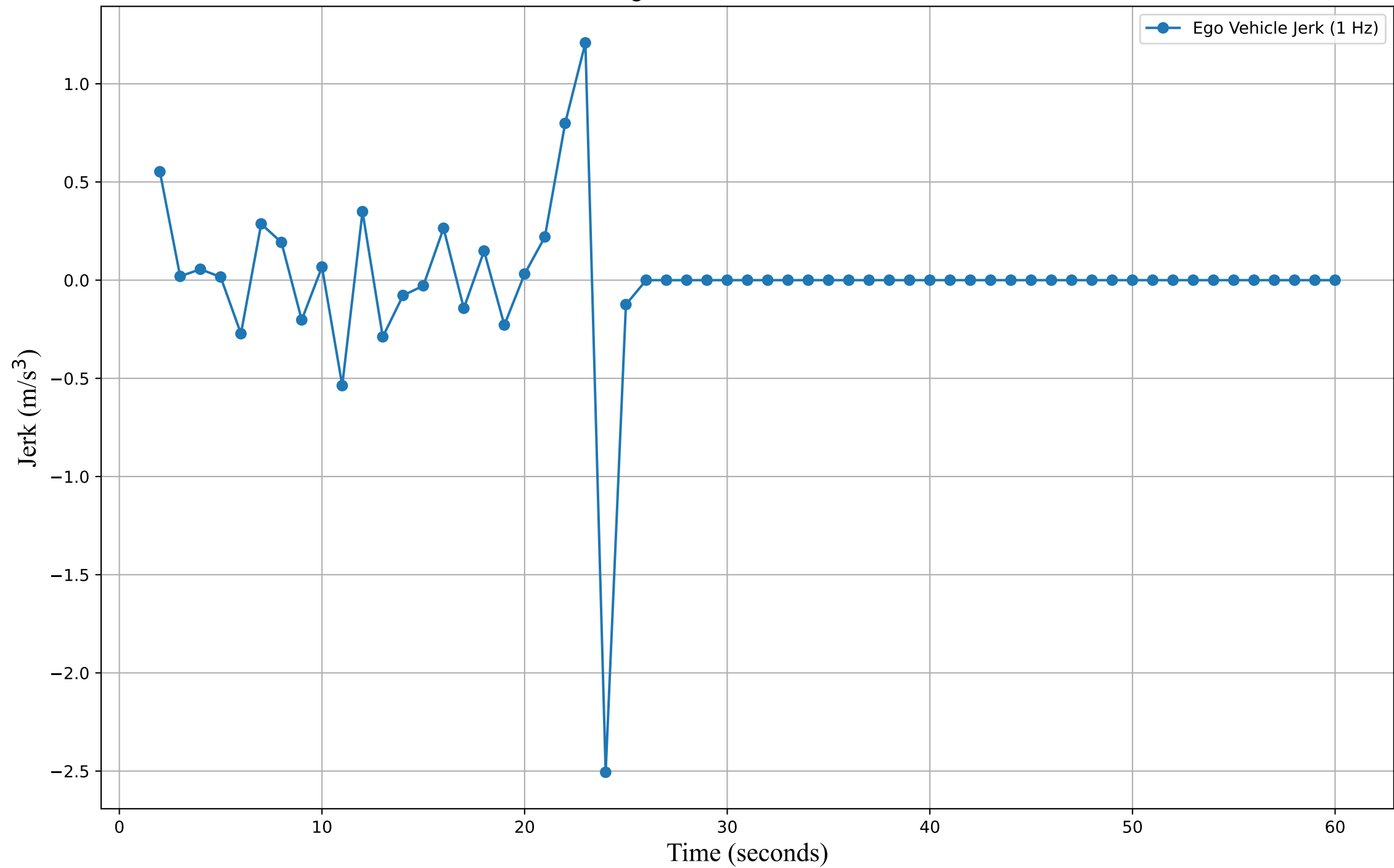


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

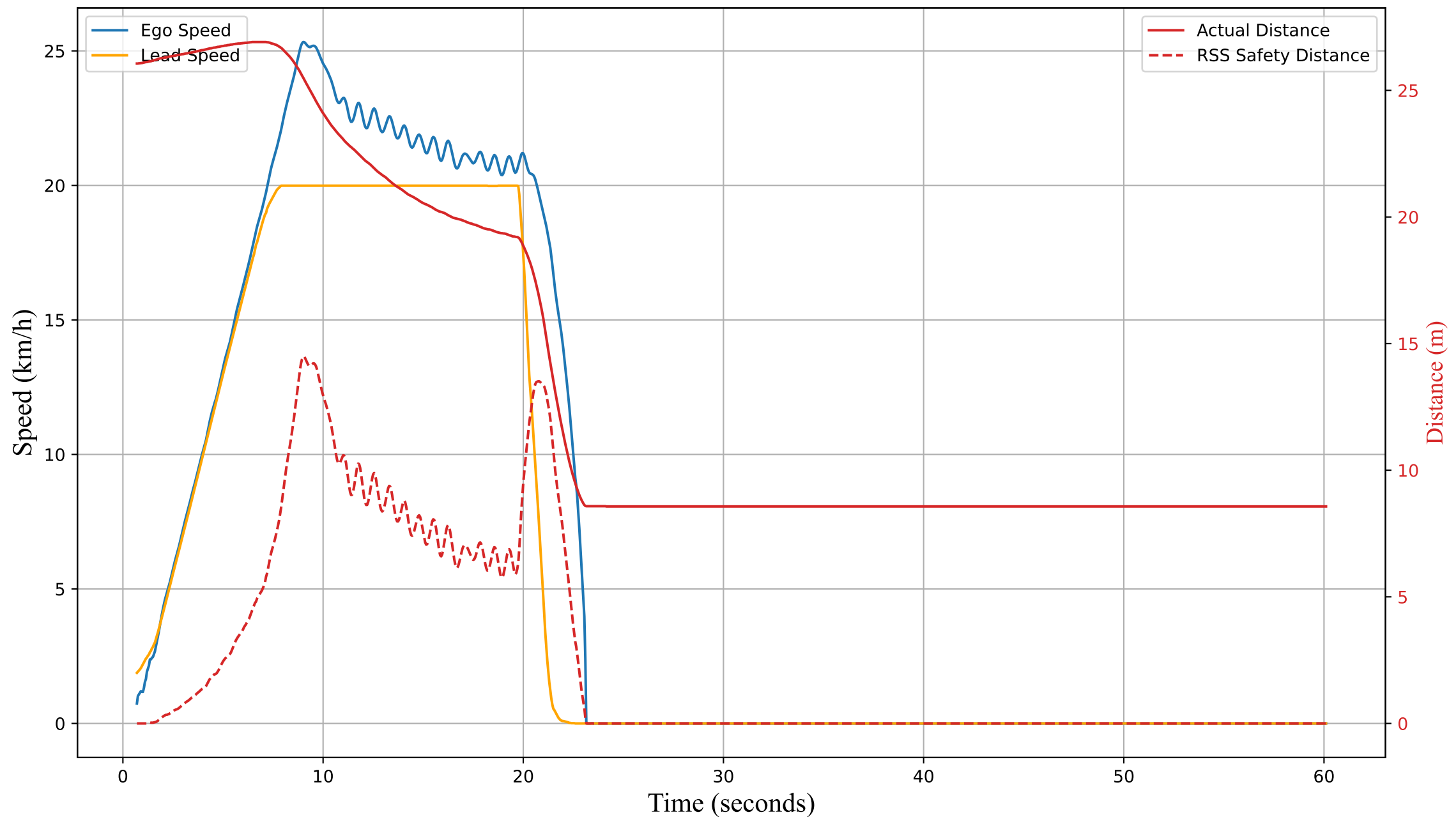


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

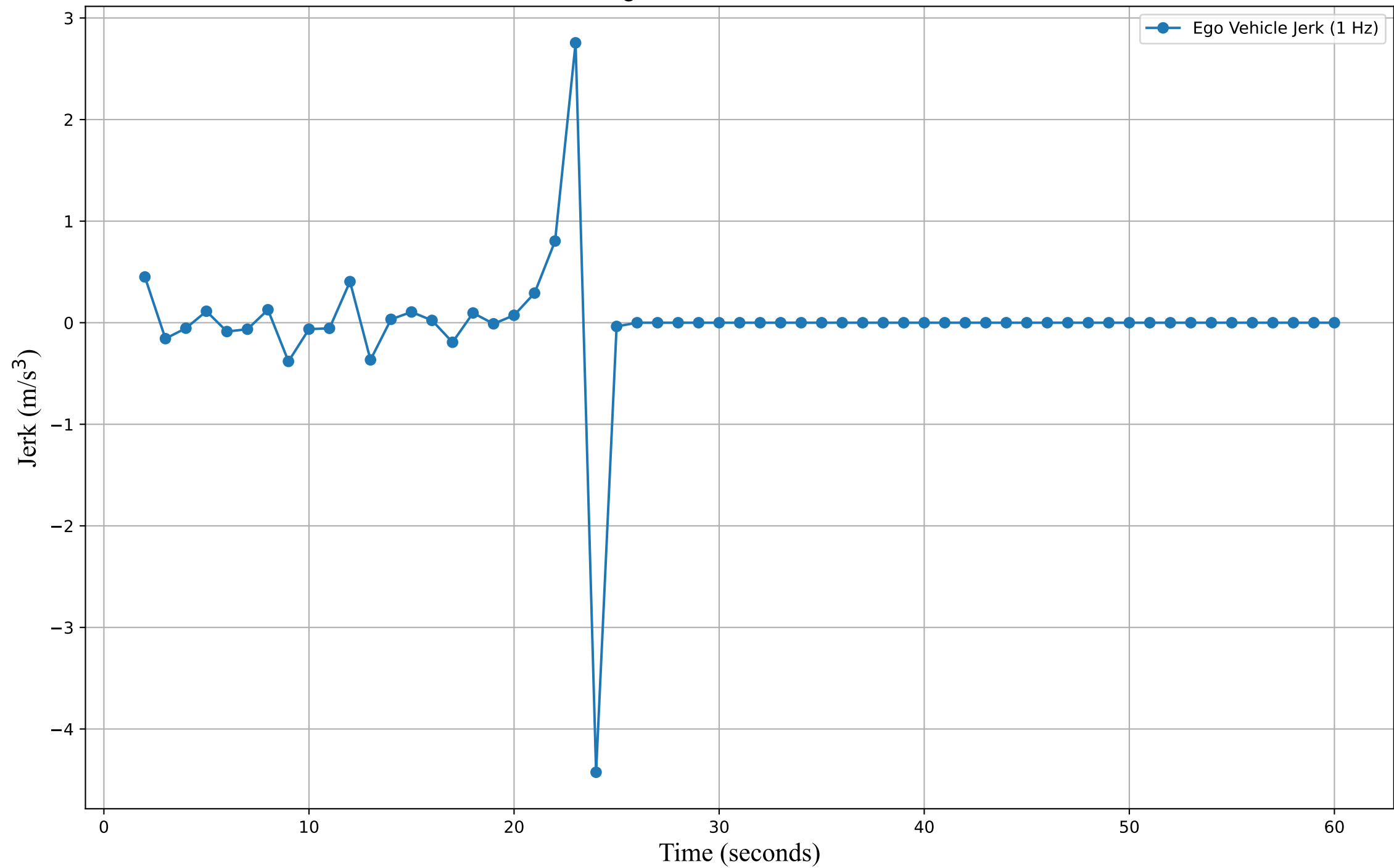


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

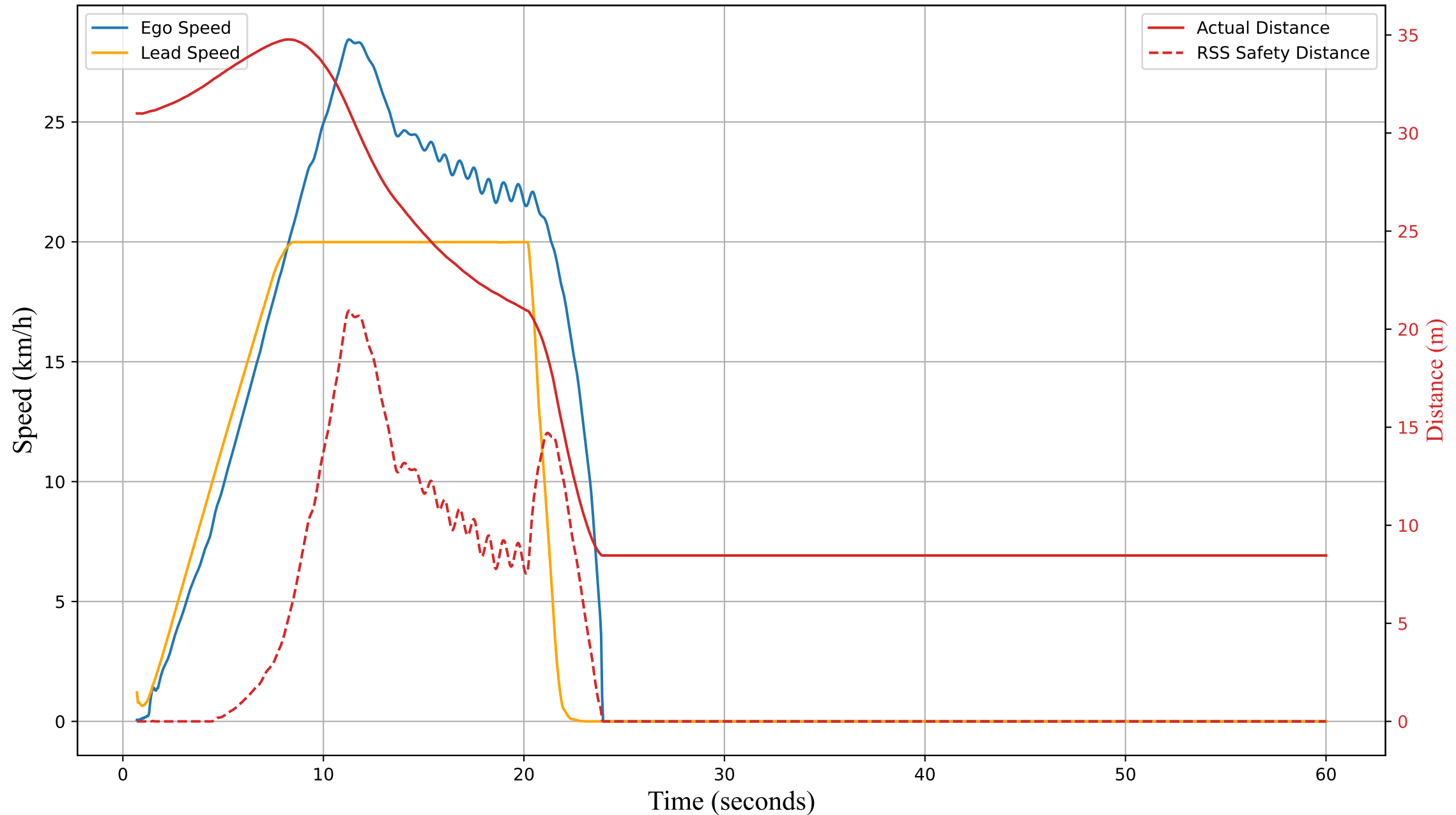


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

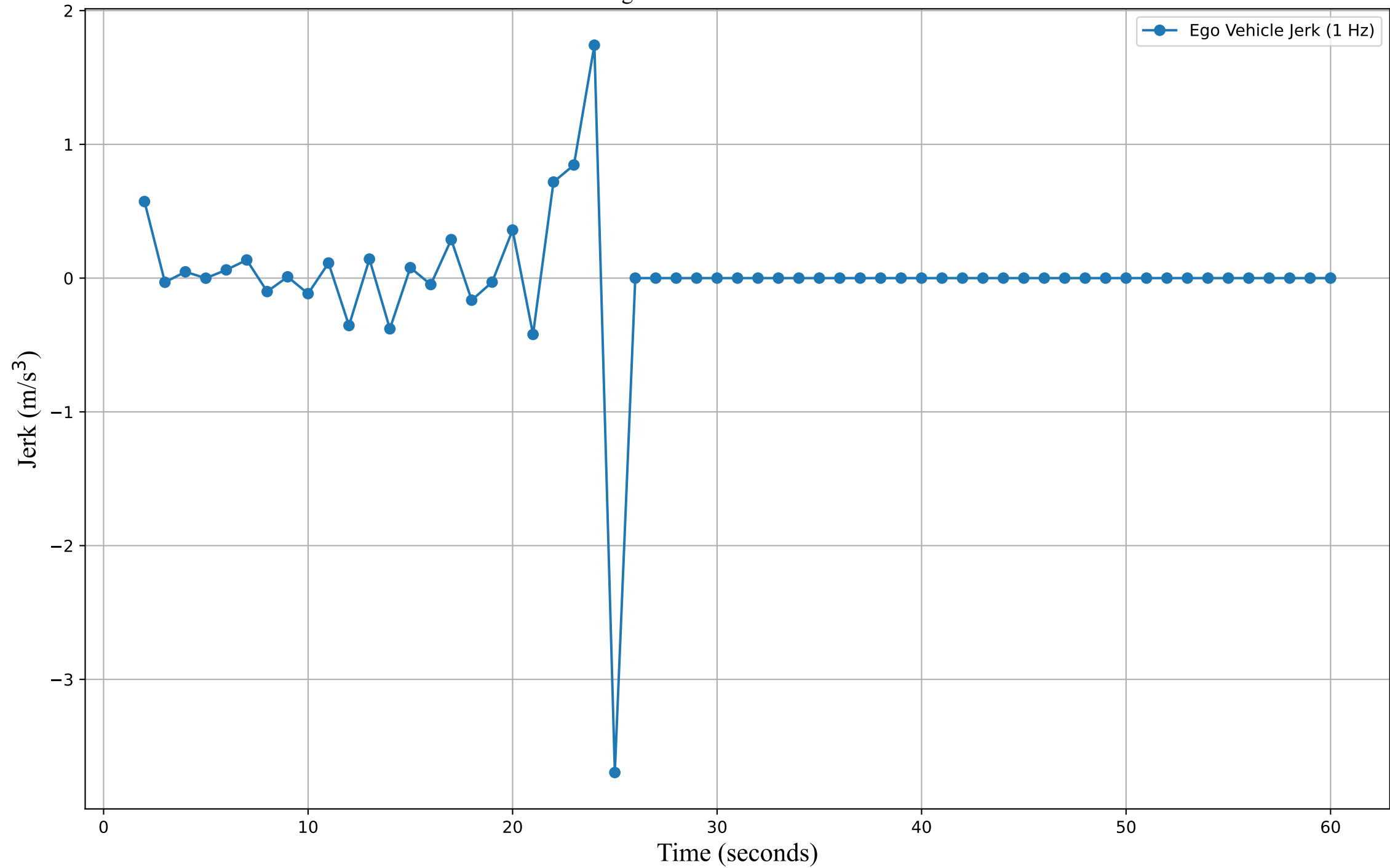


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

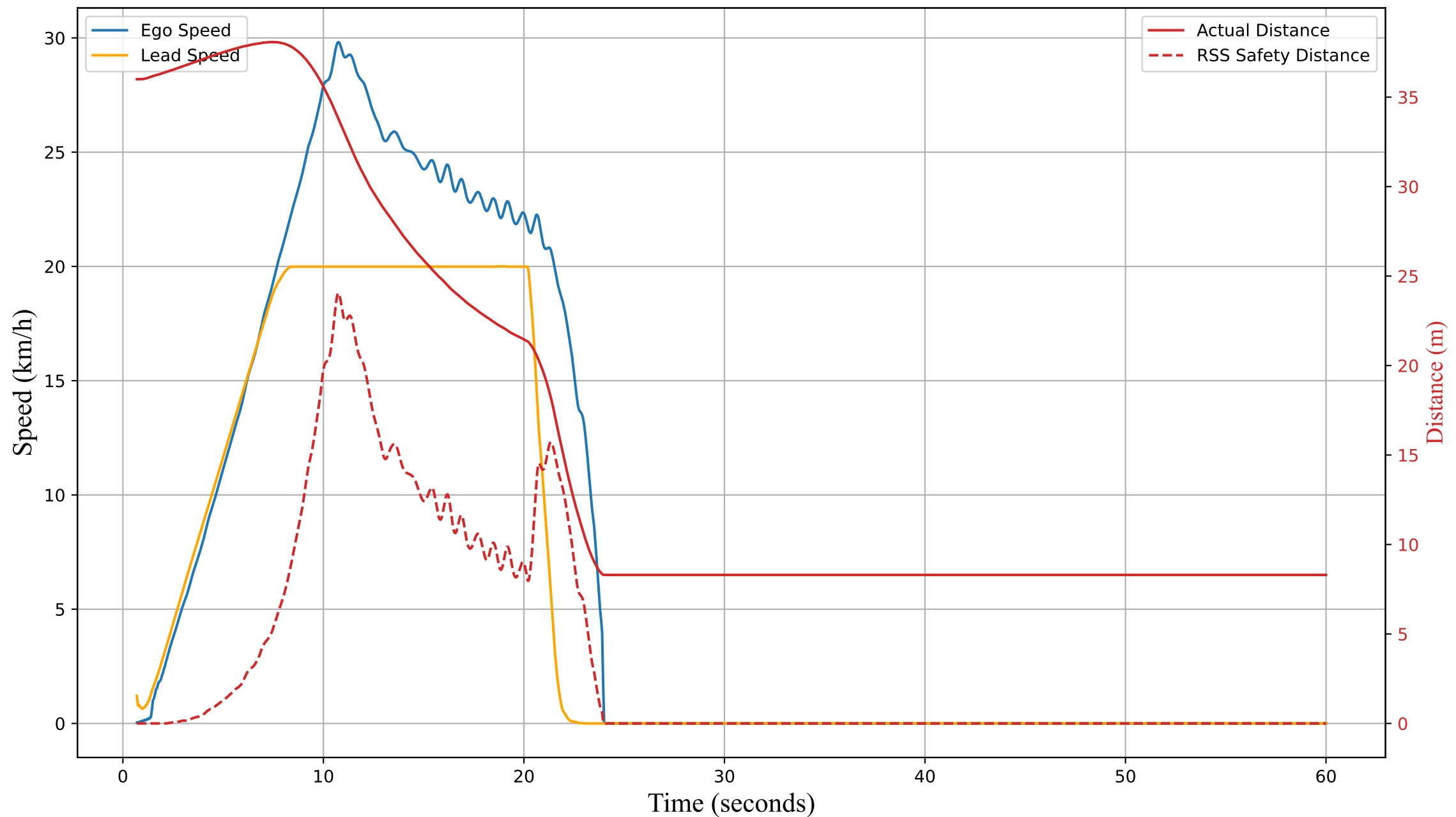


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

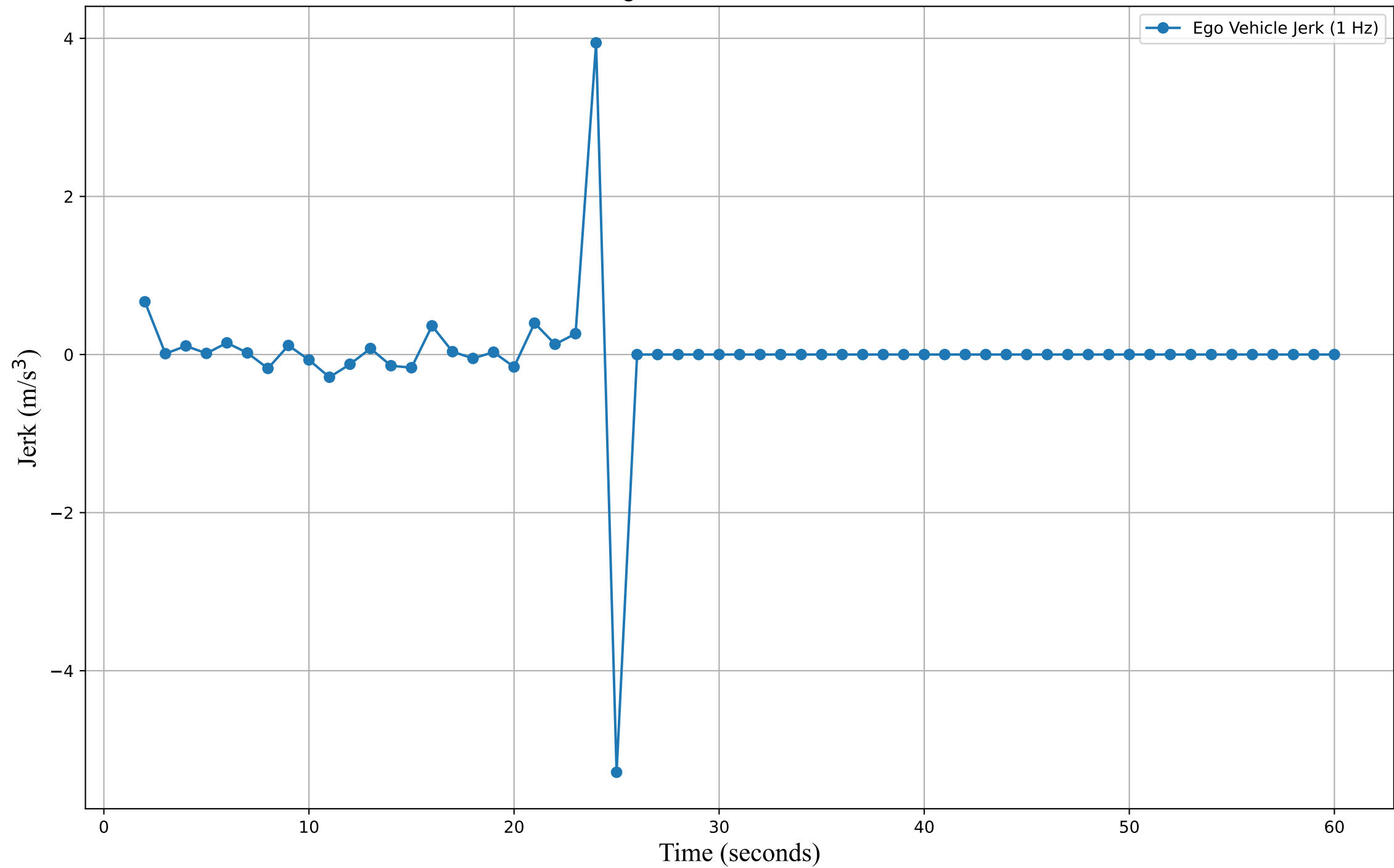


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

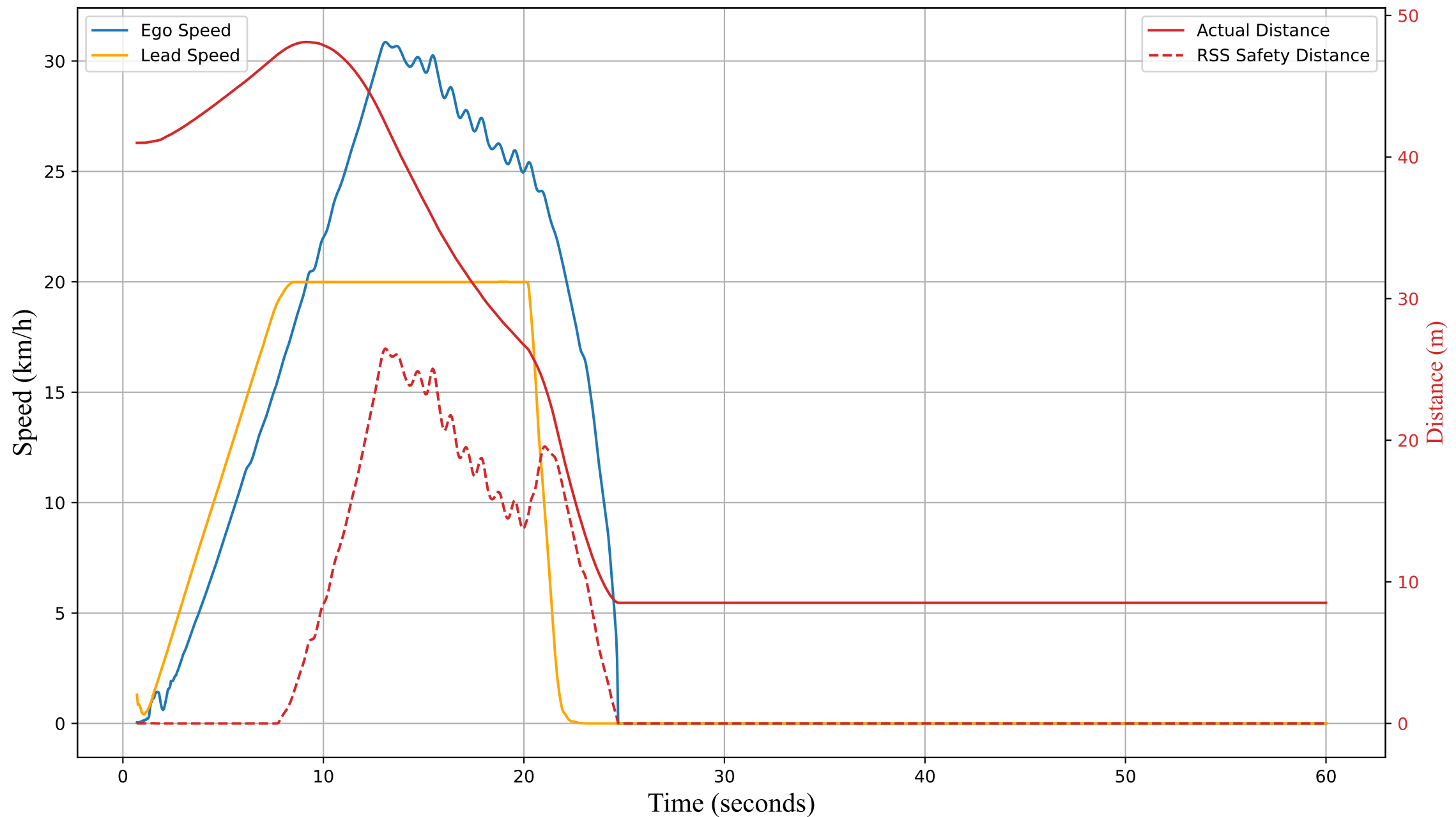


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time

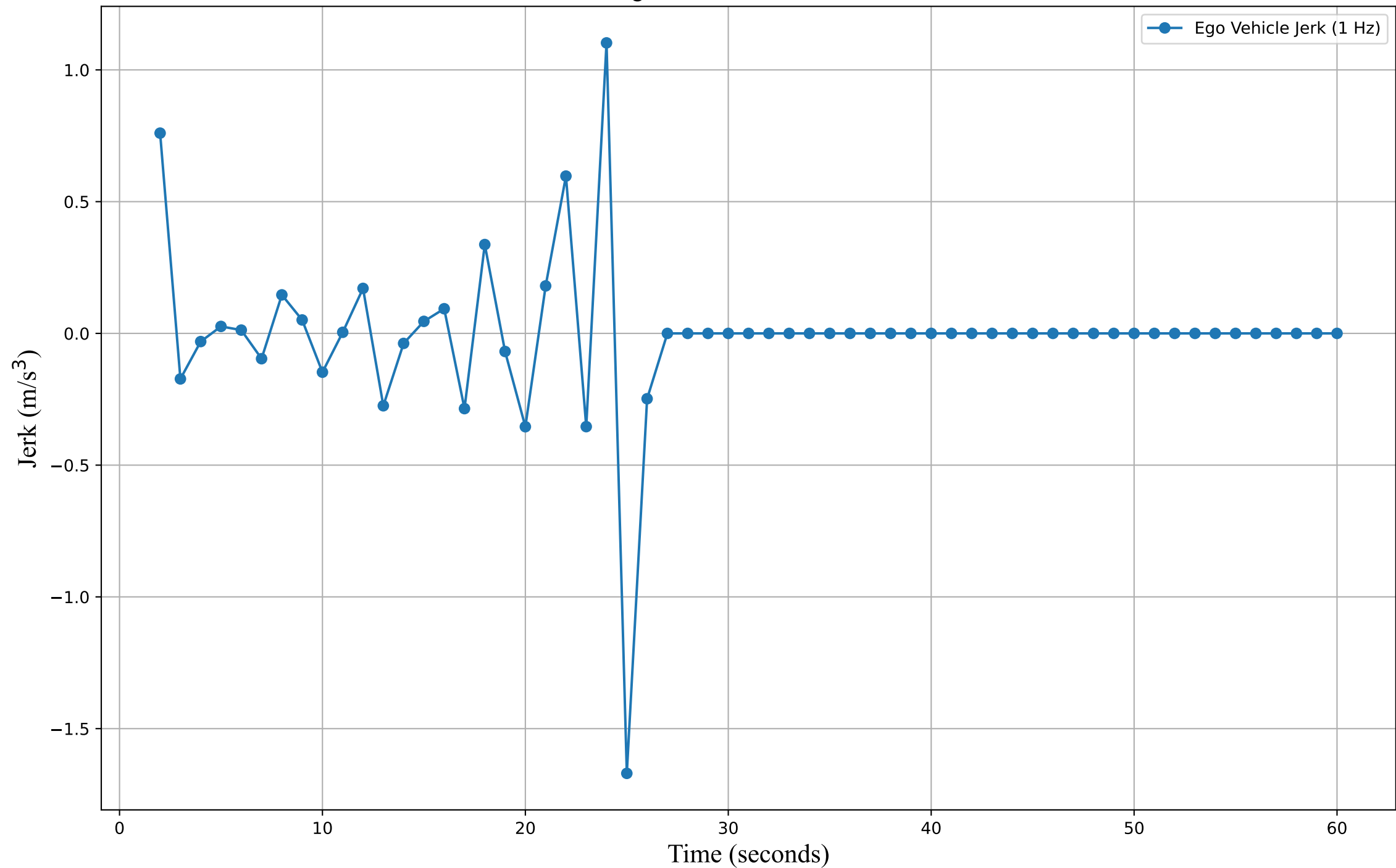


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

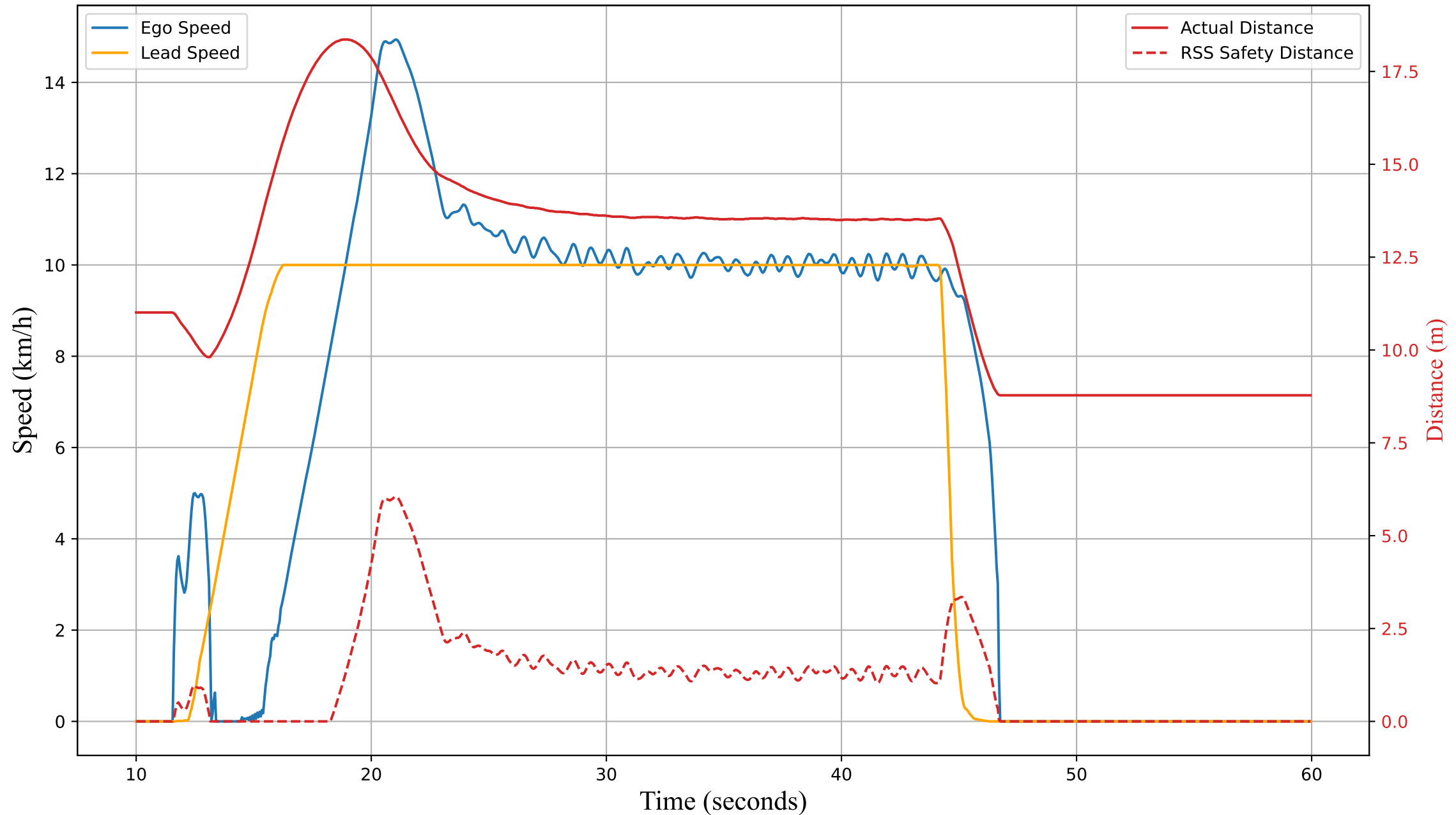


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

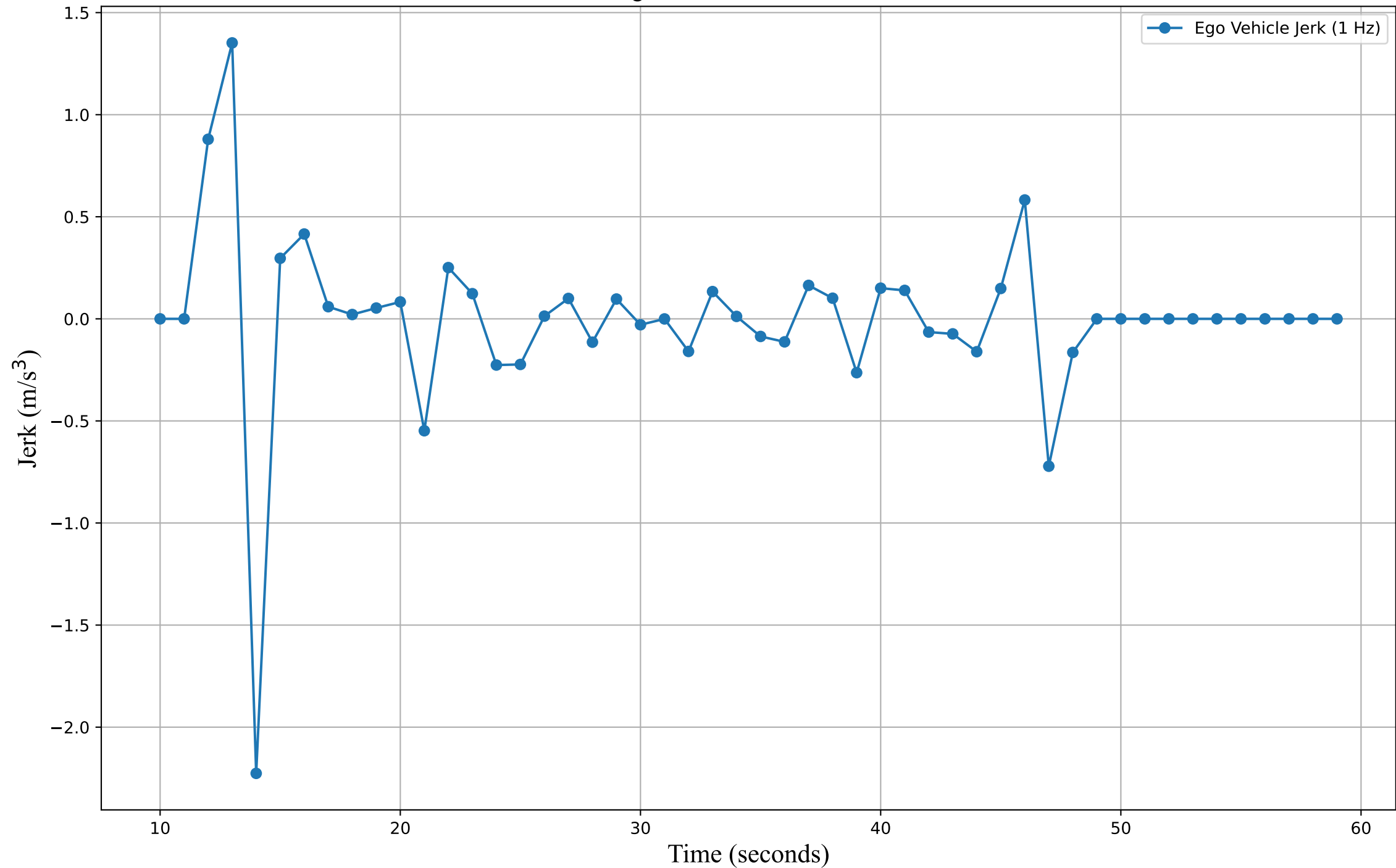


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

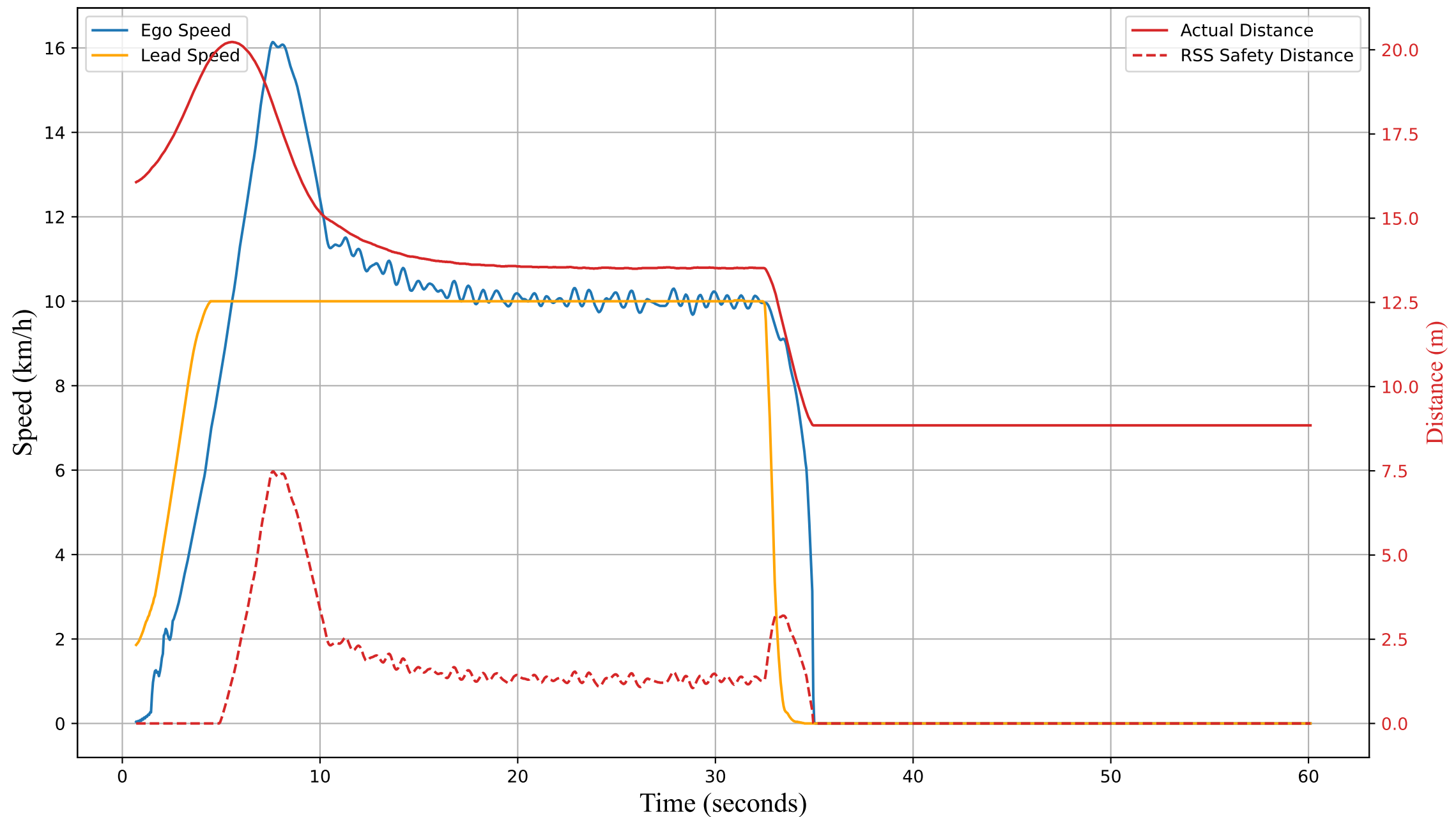


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

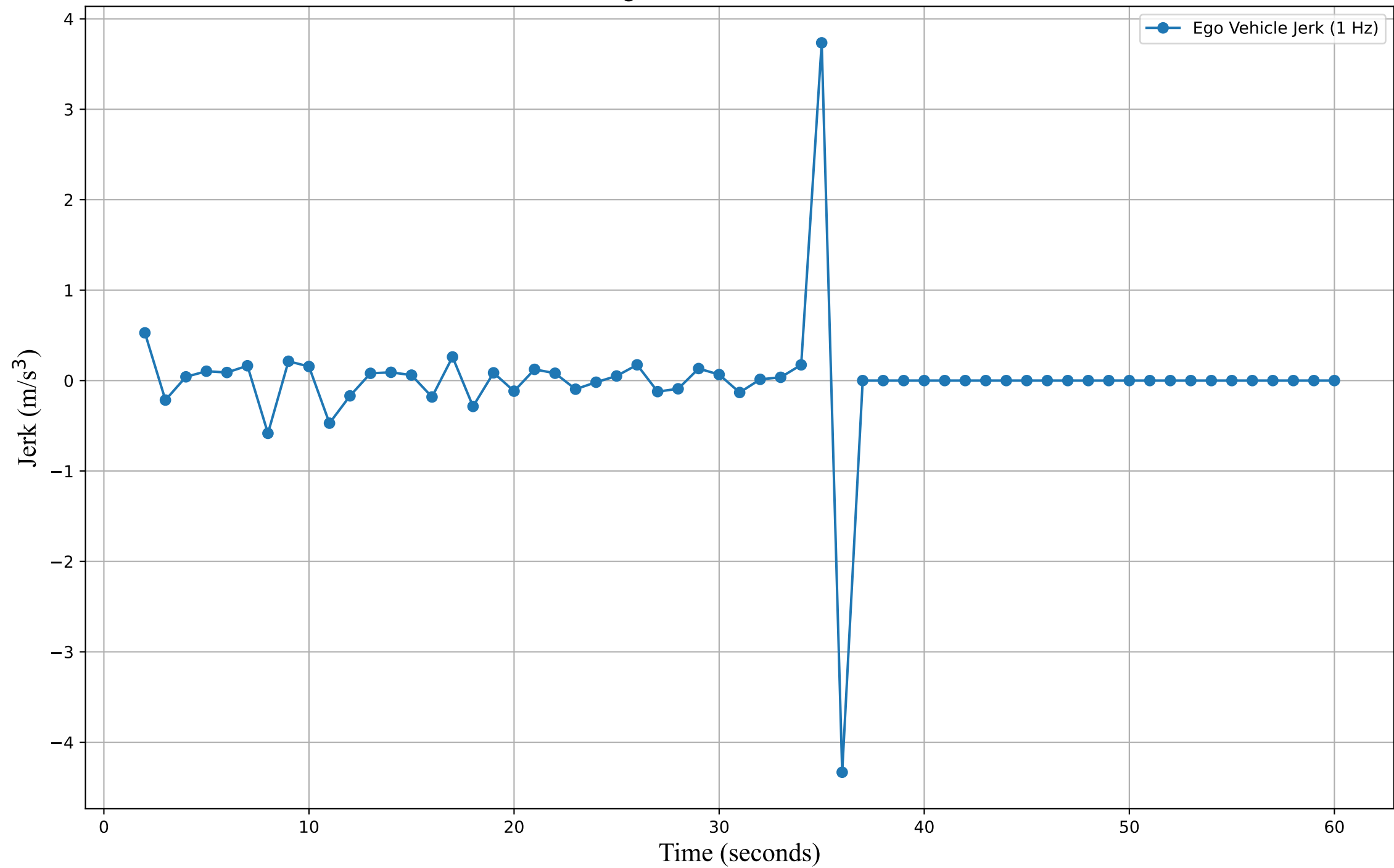


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

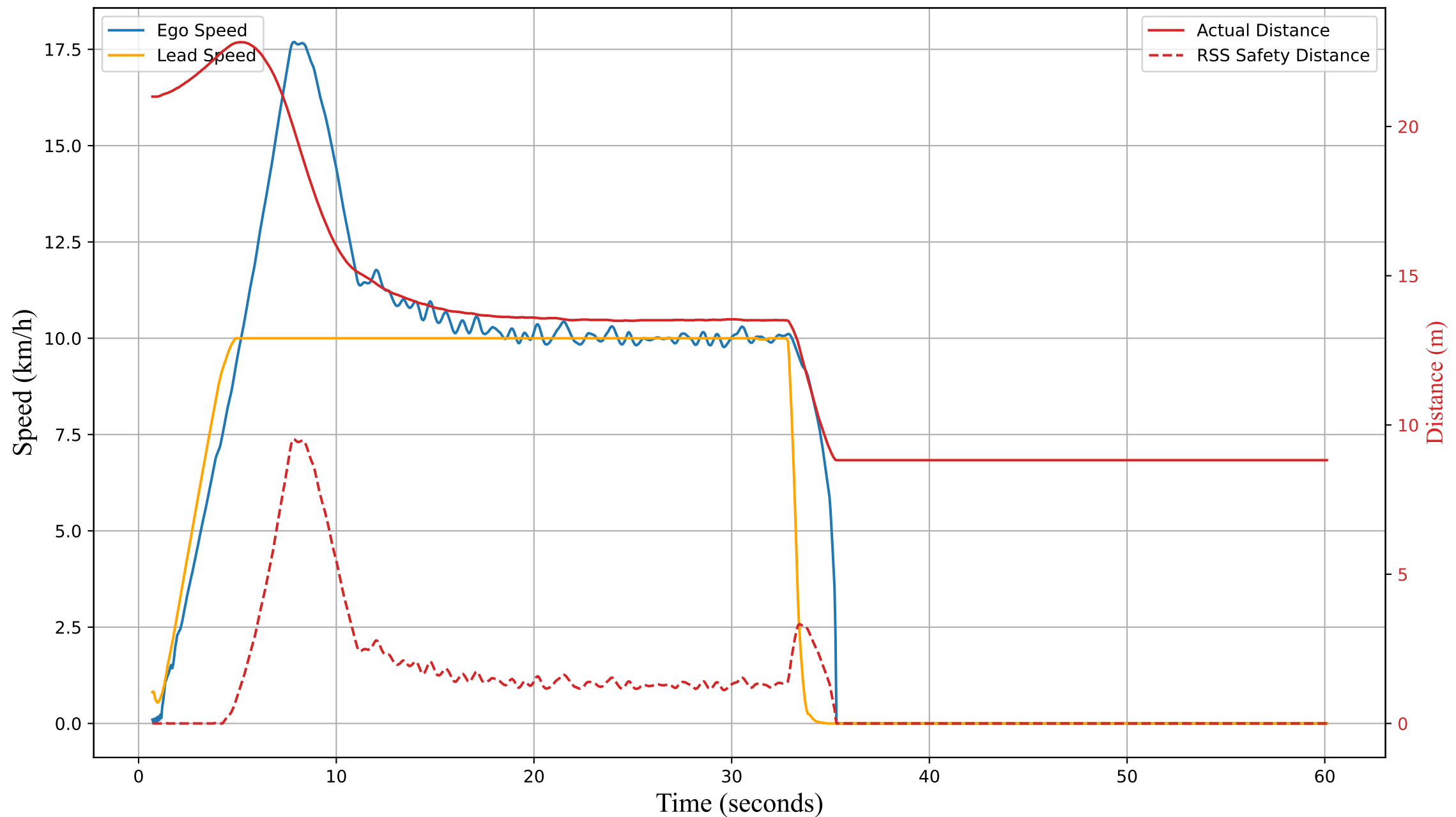


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

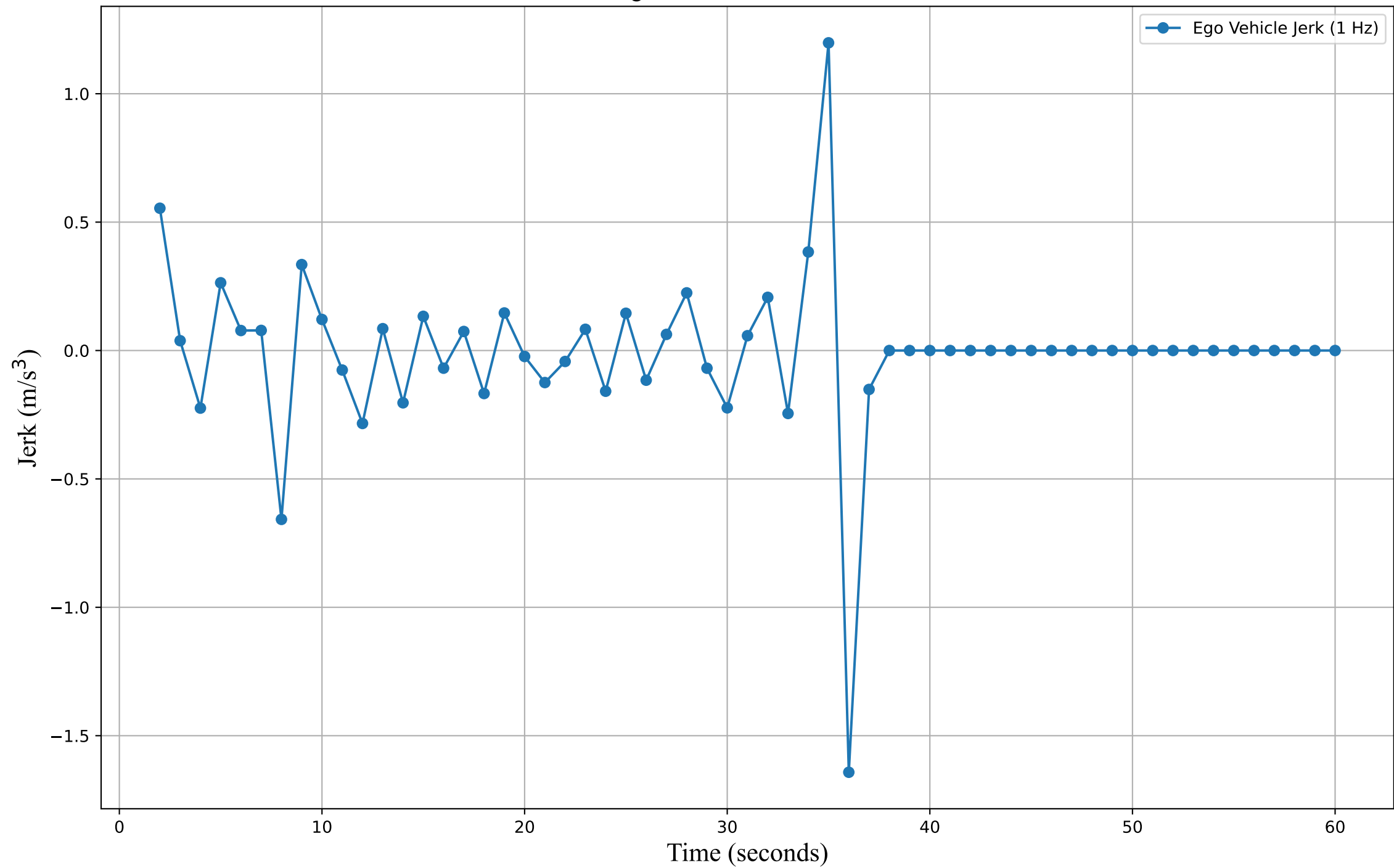


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

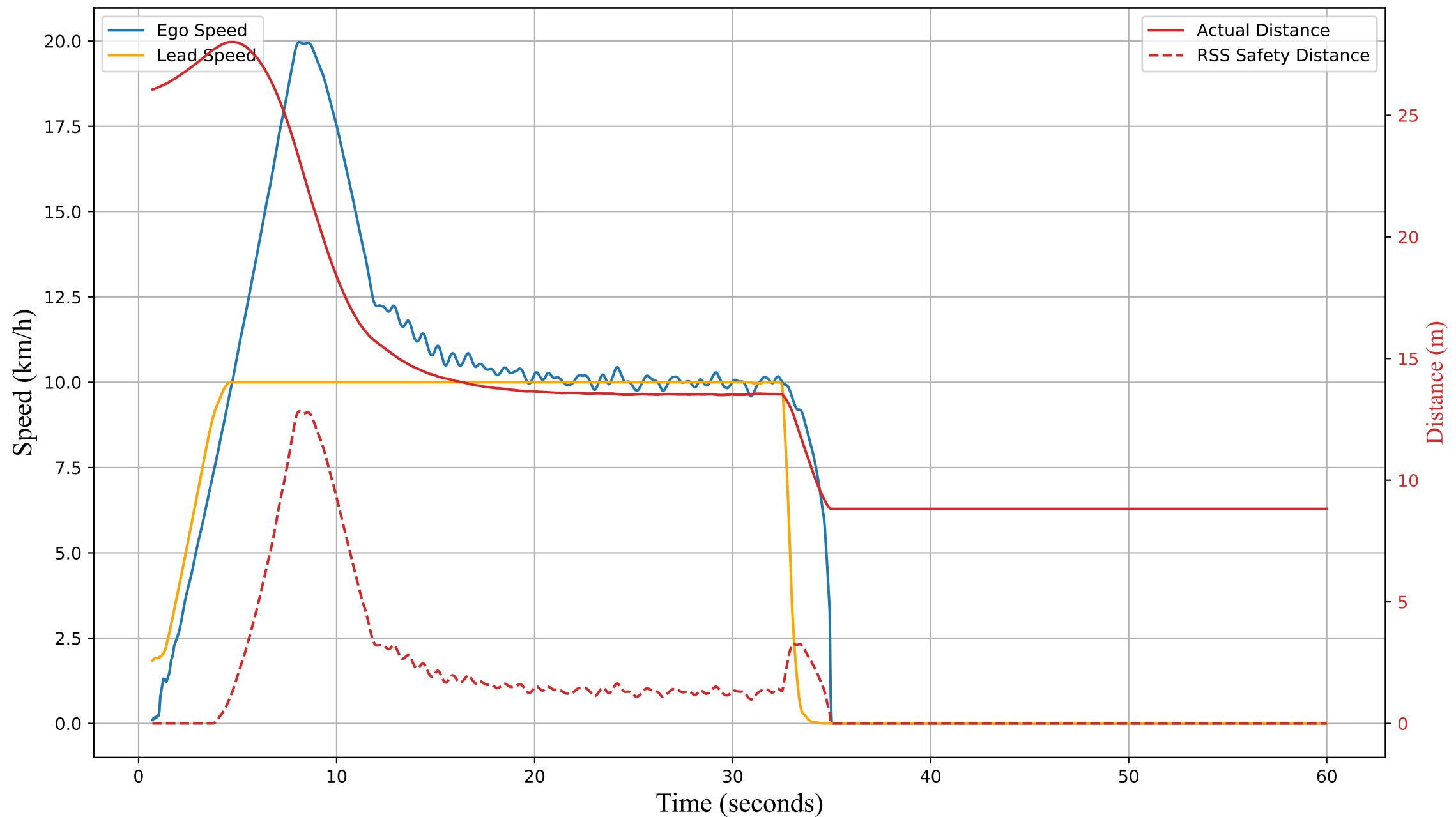


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

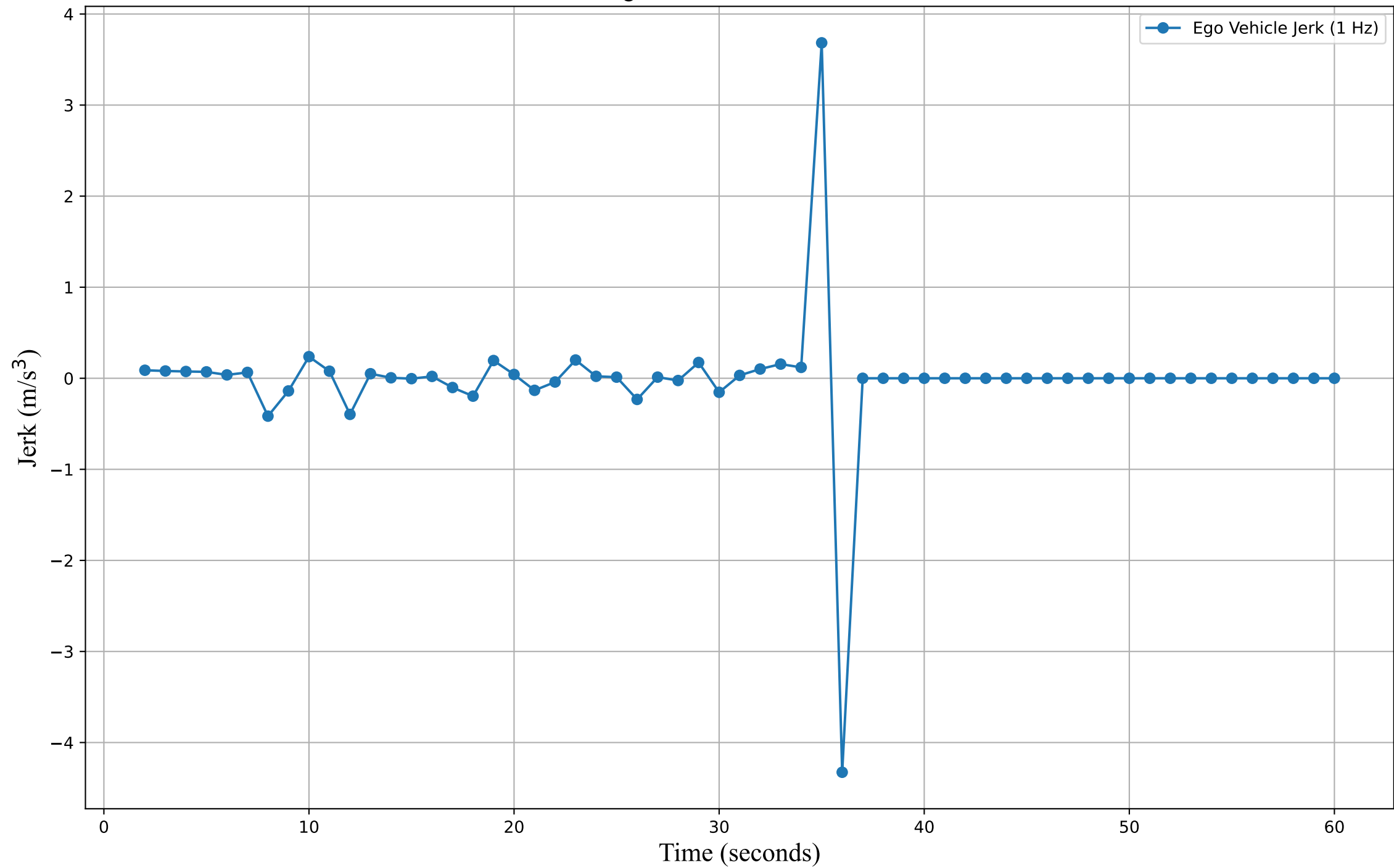


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

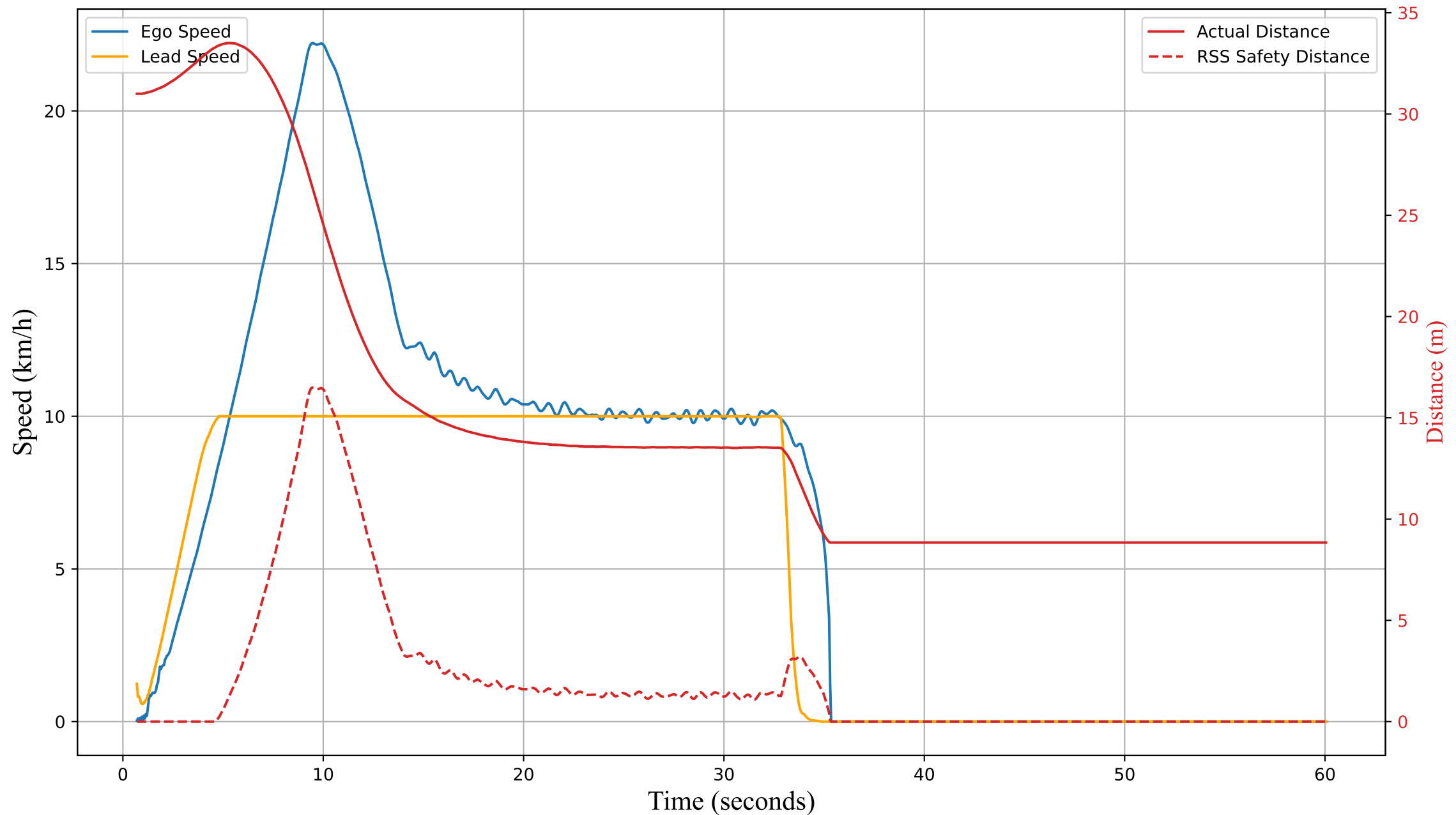


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

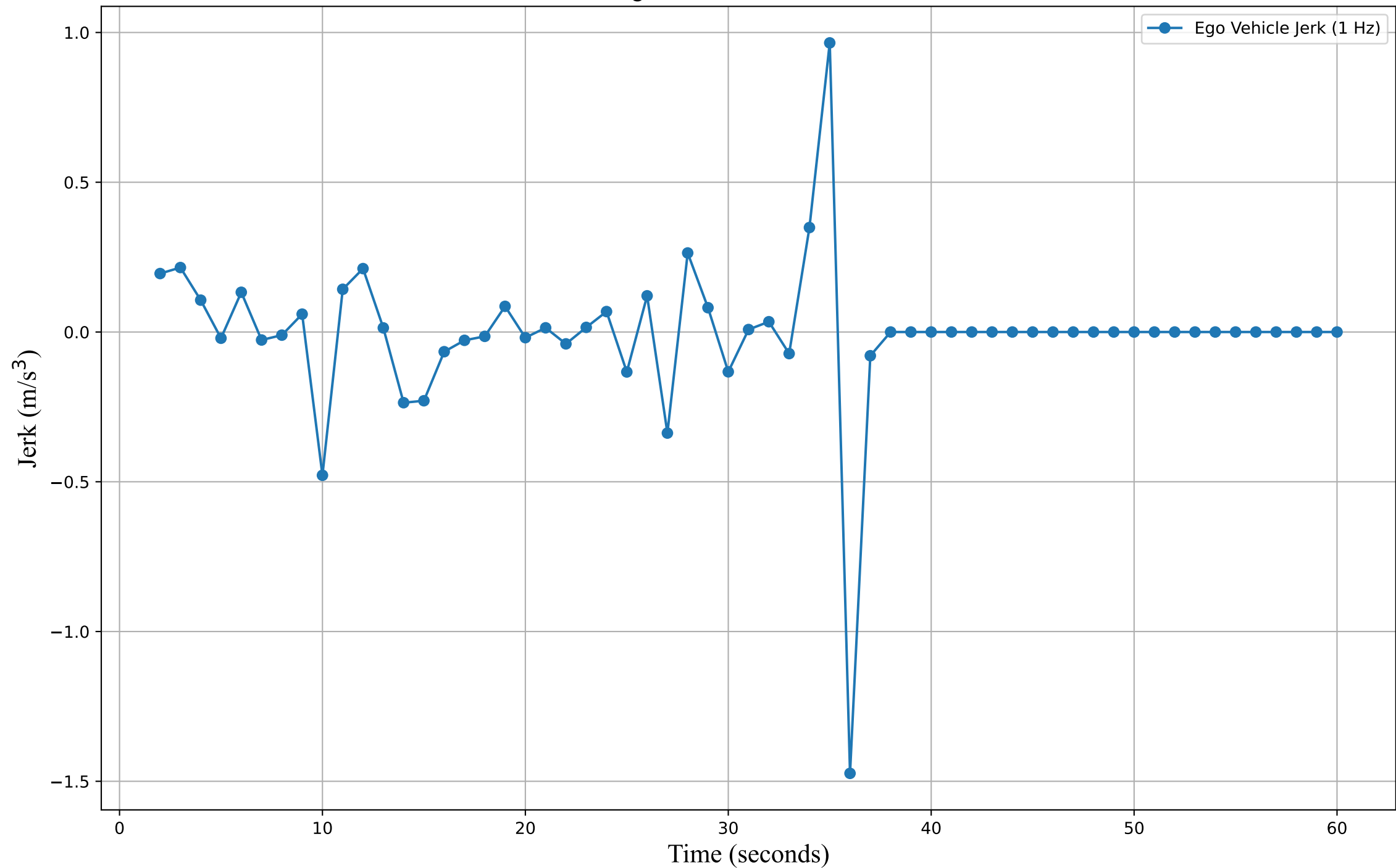


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

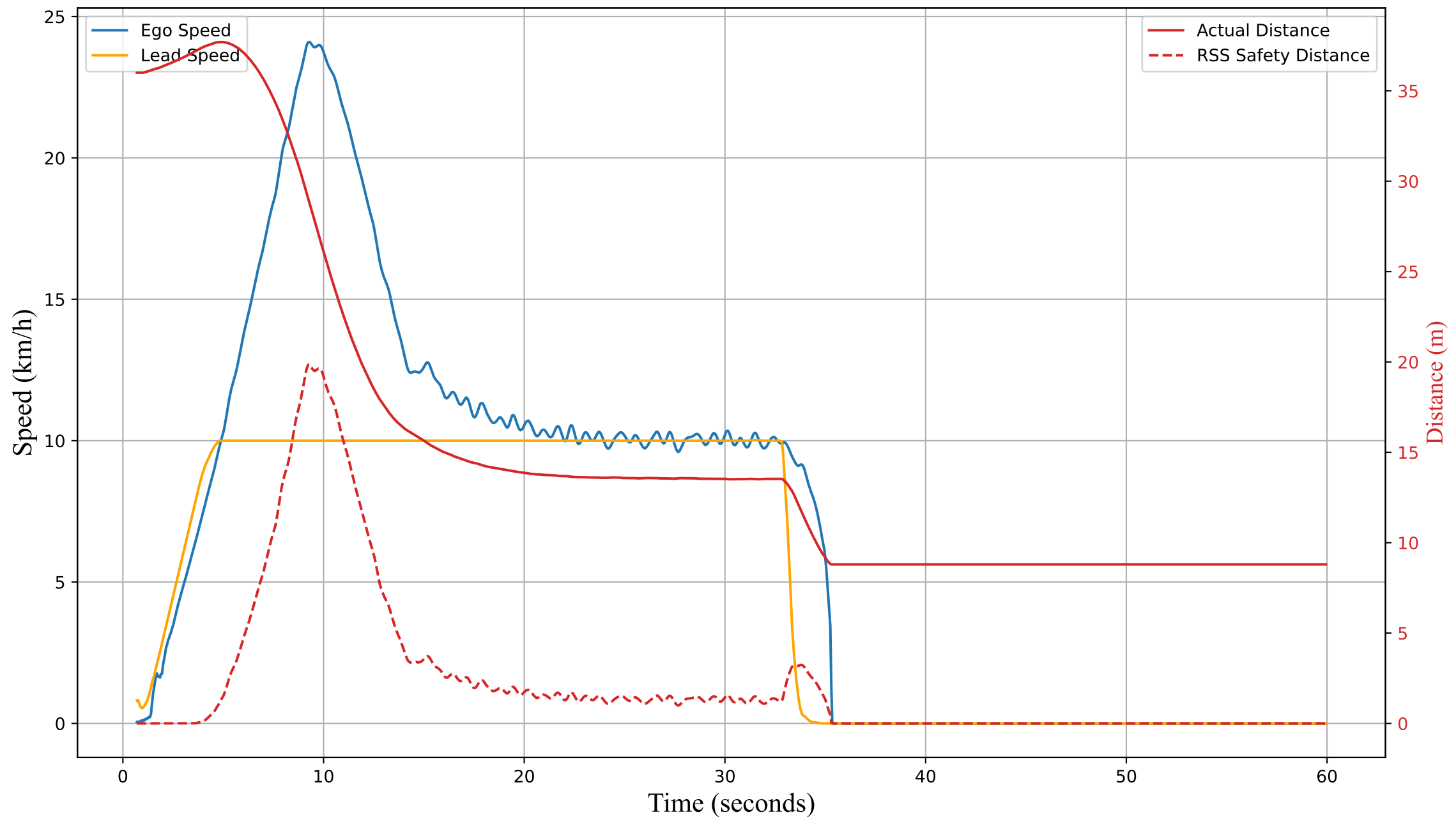


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

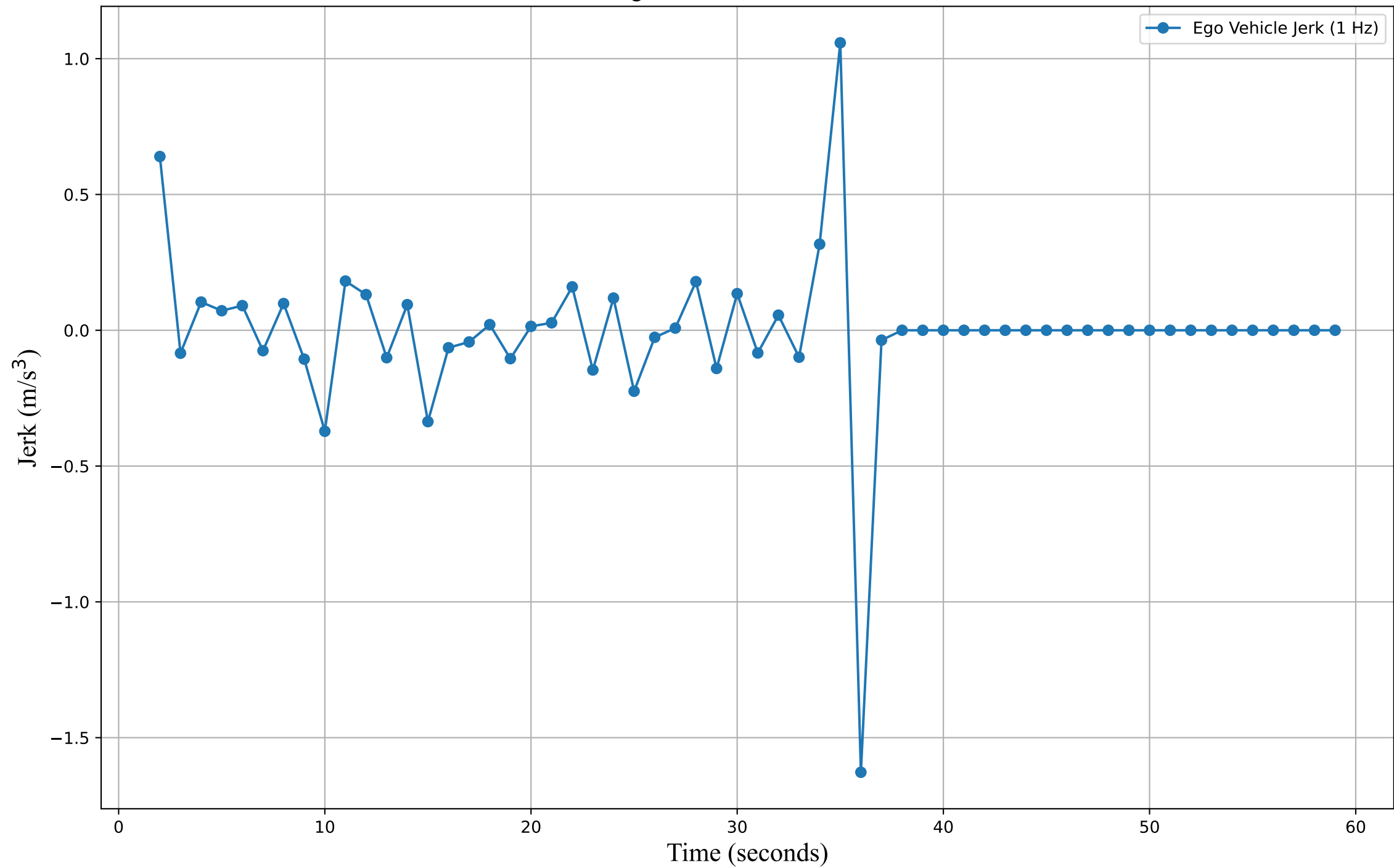


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

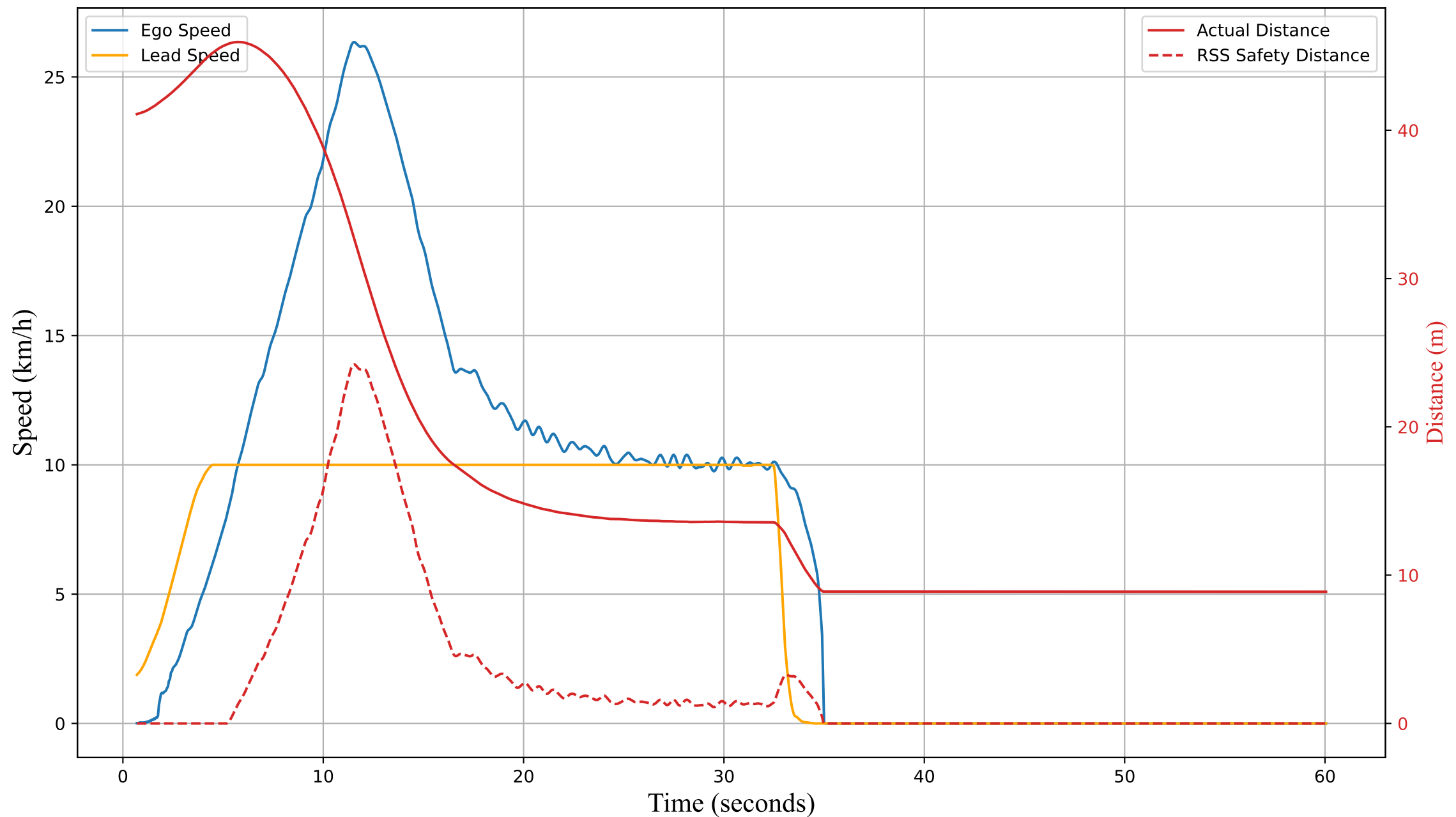


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time

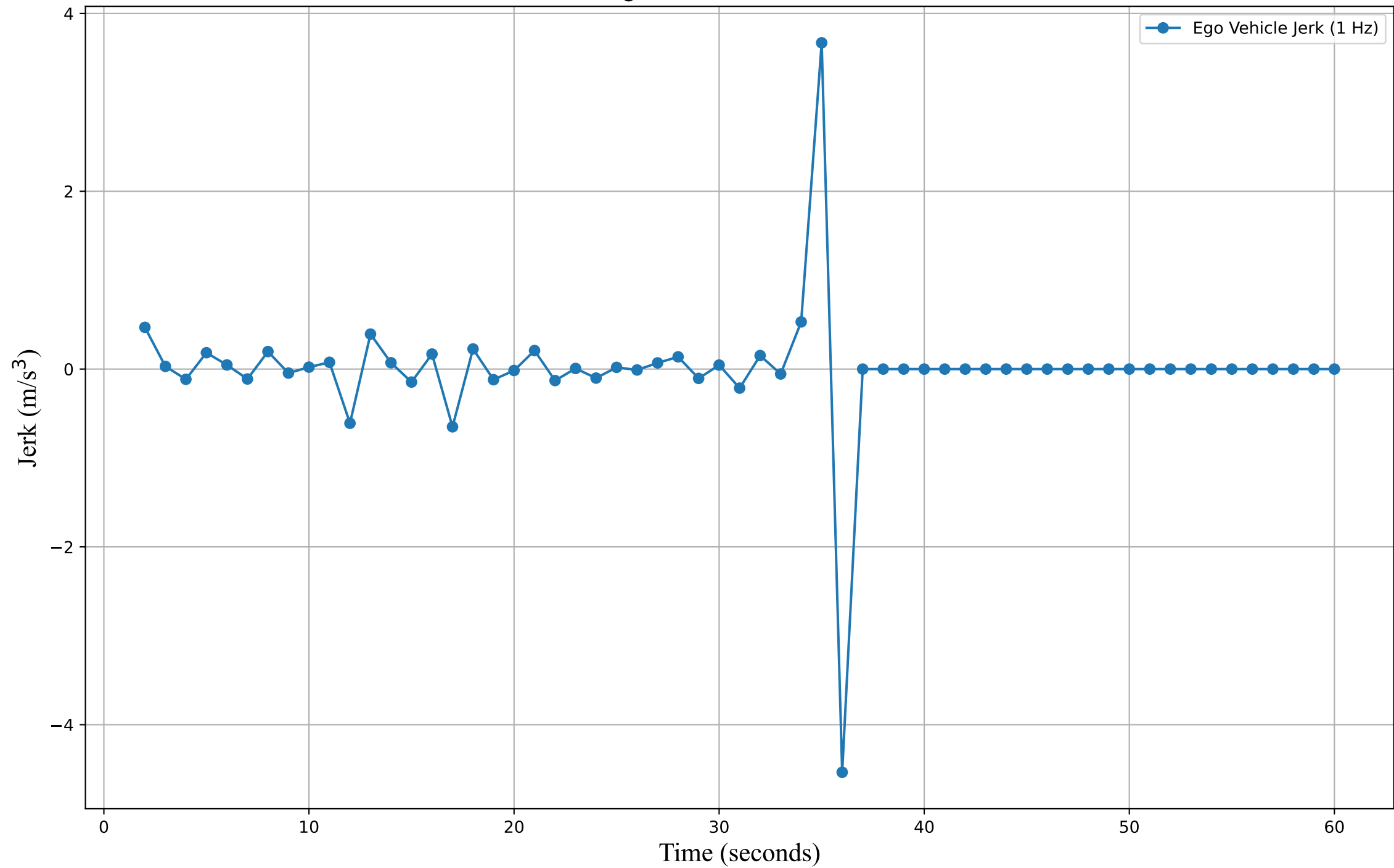


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

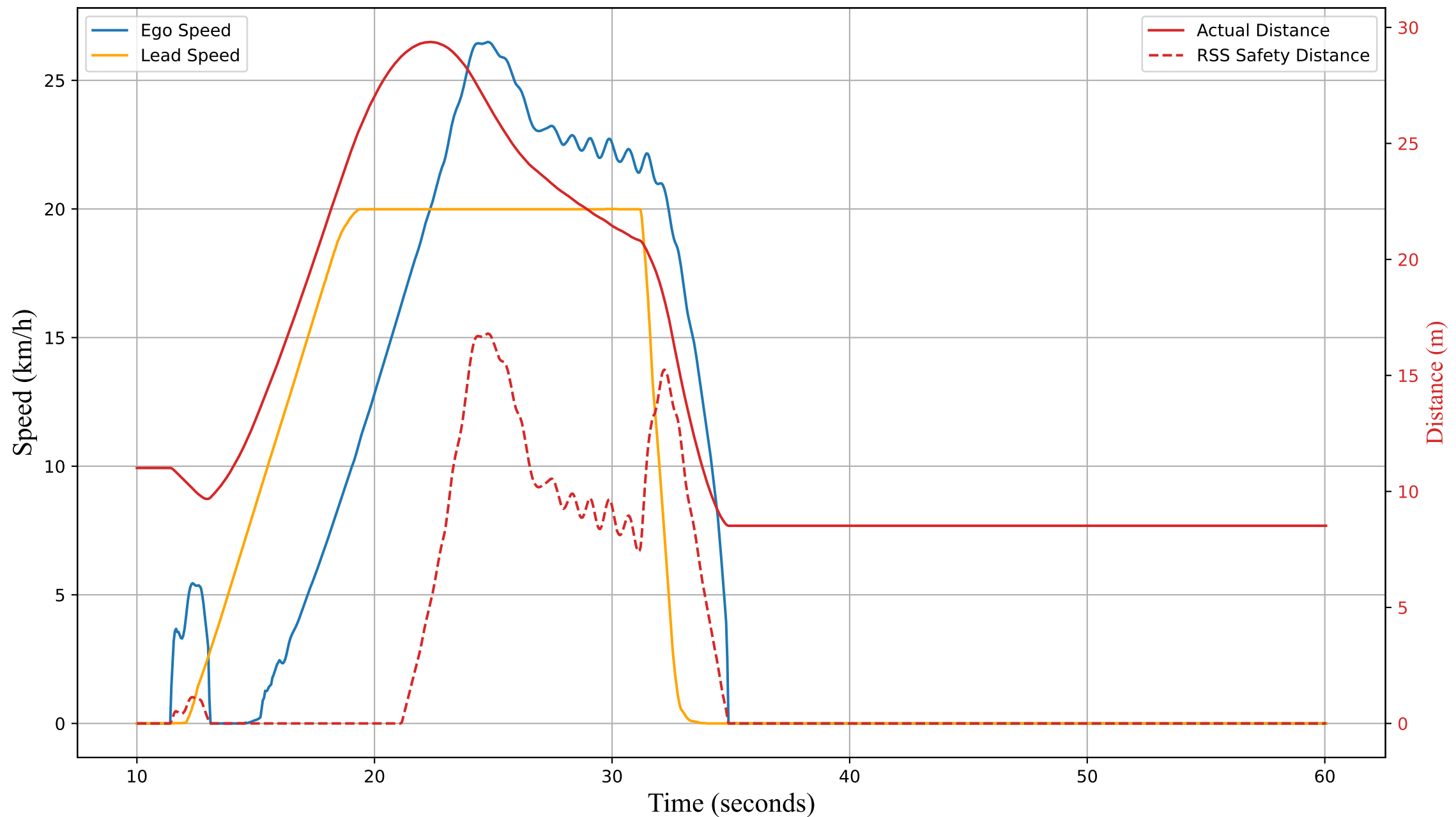


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

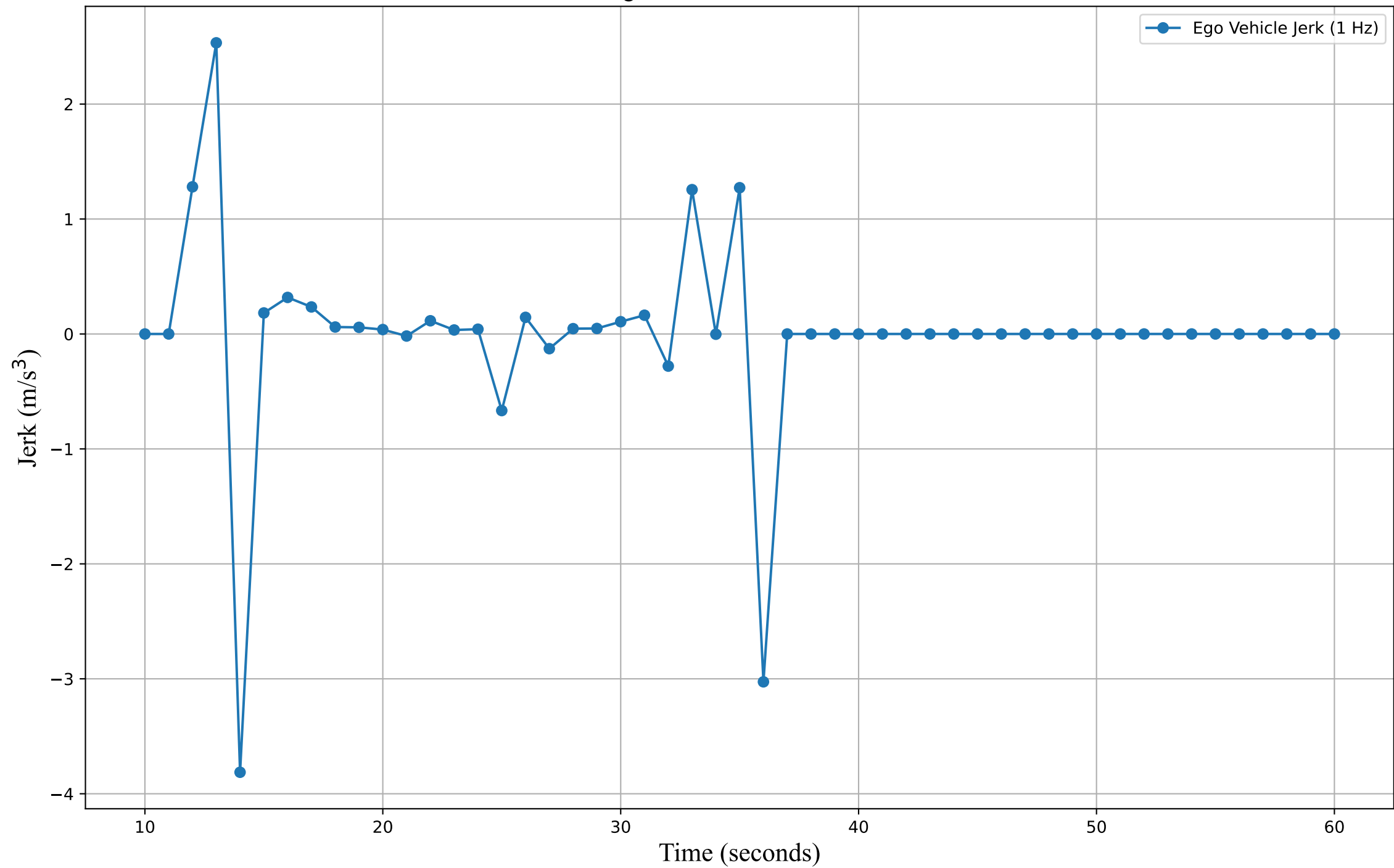


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

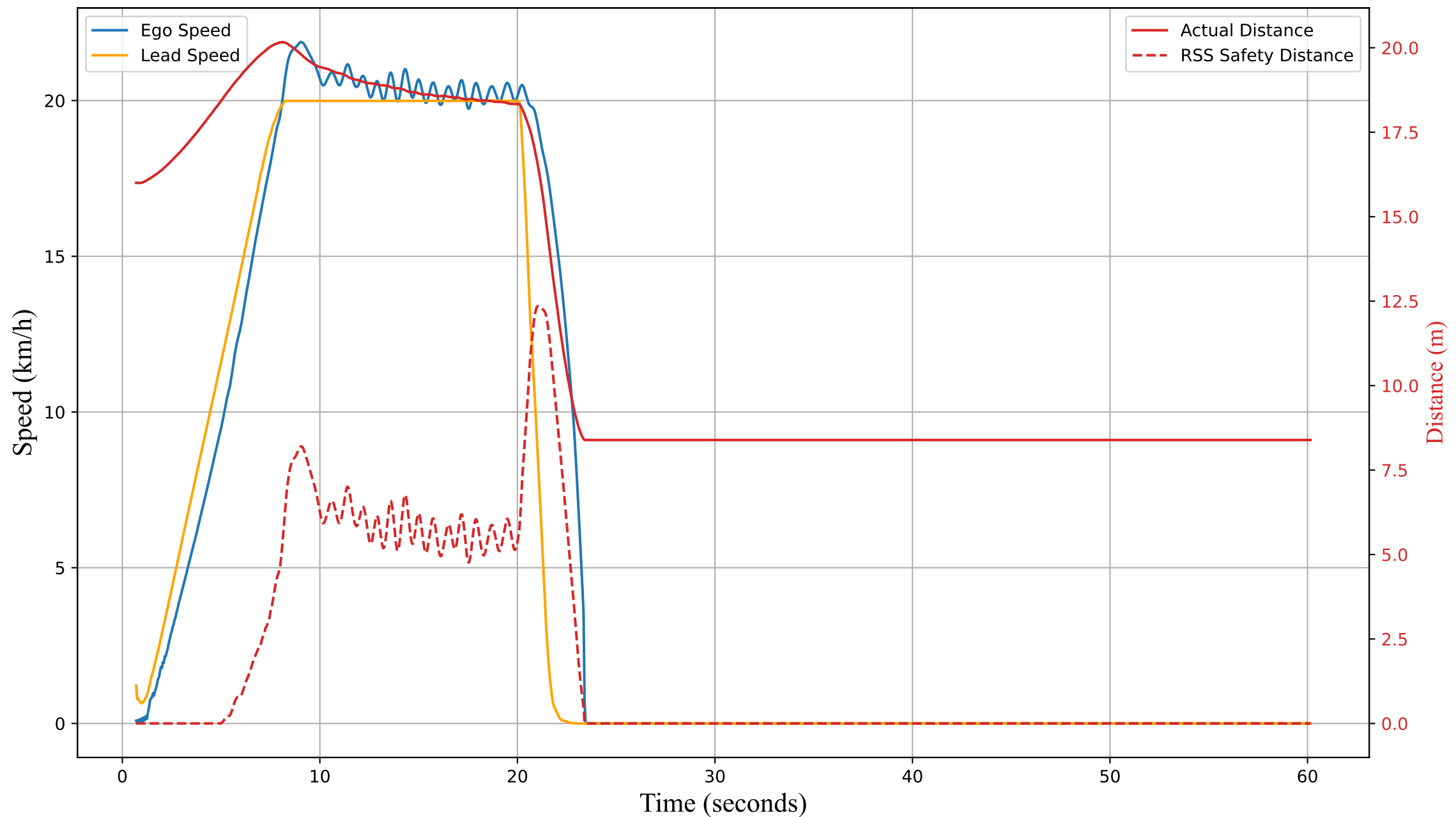


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

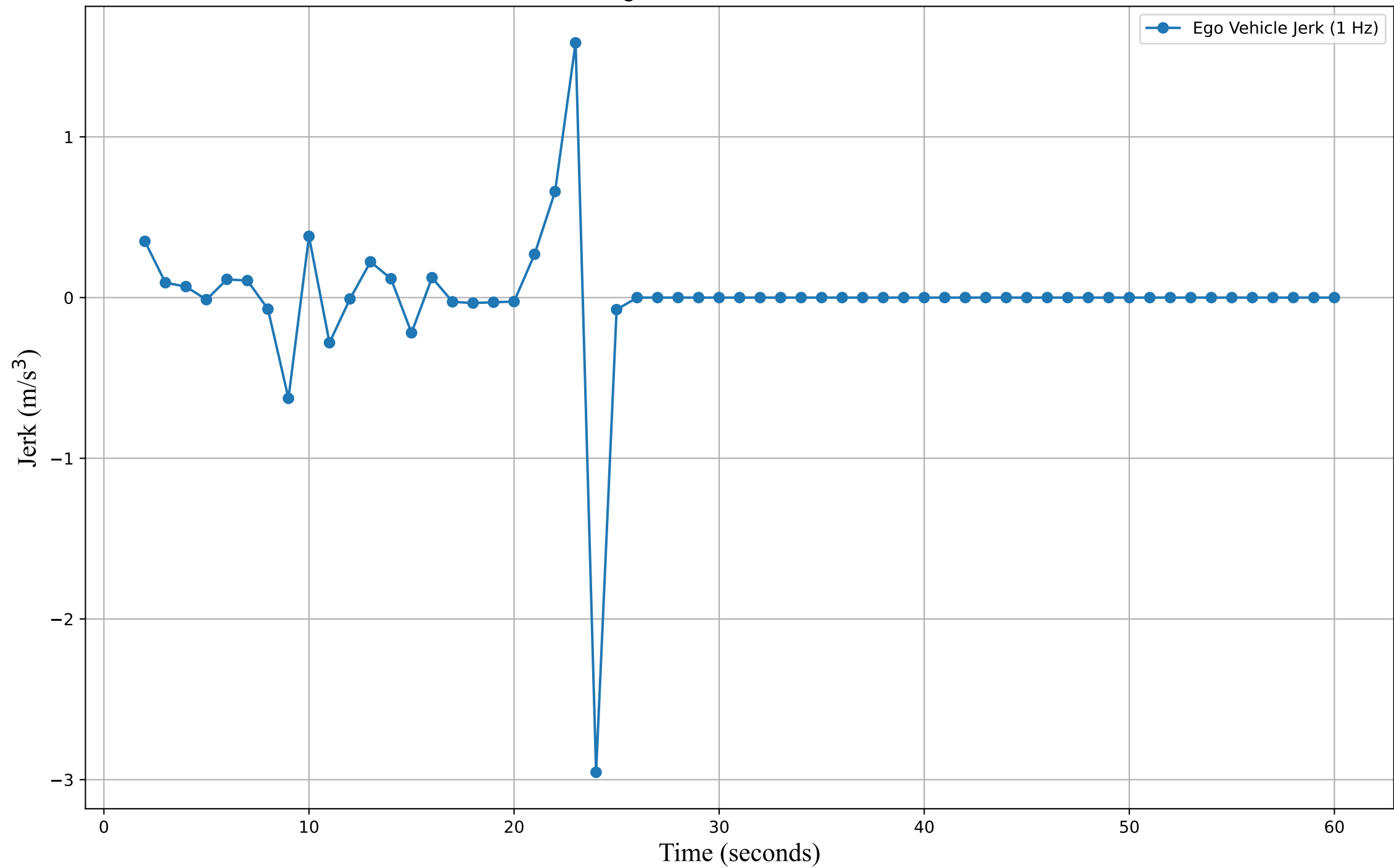


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

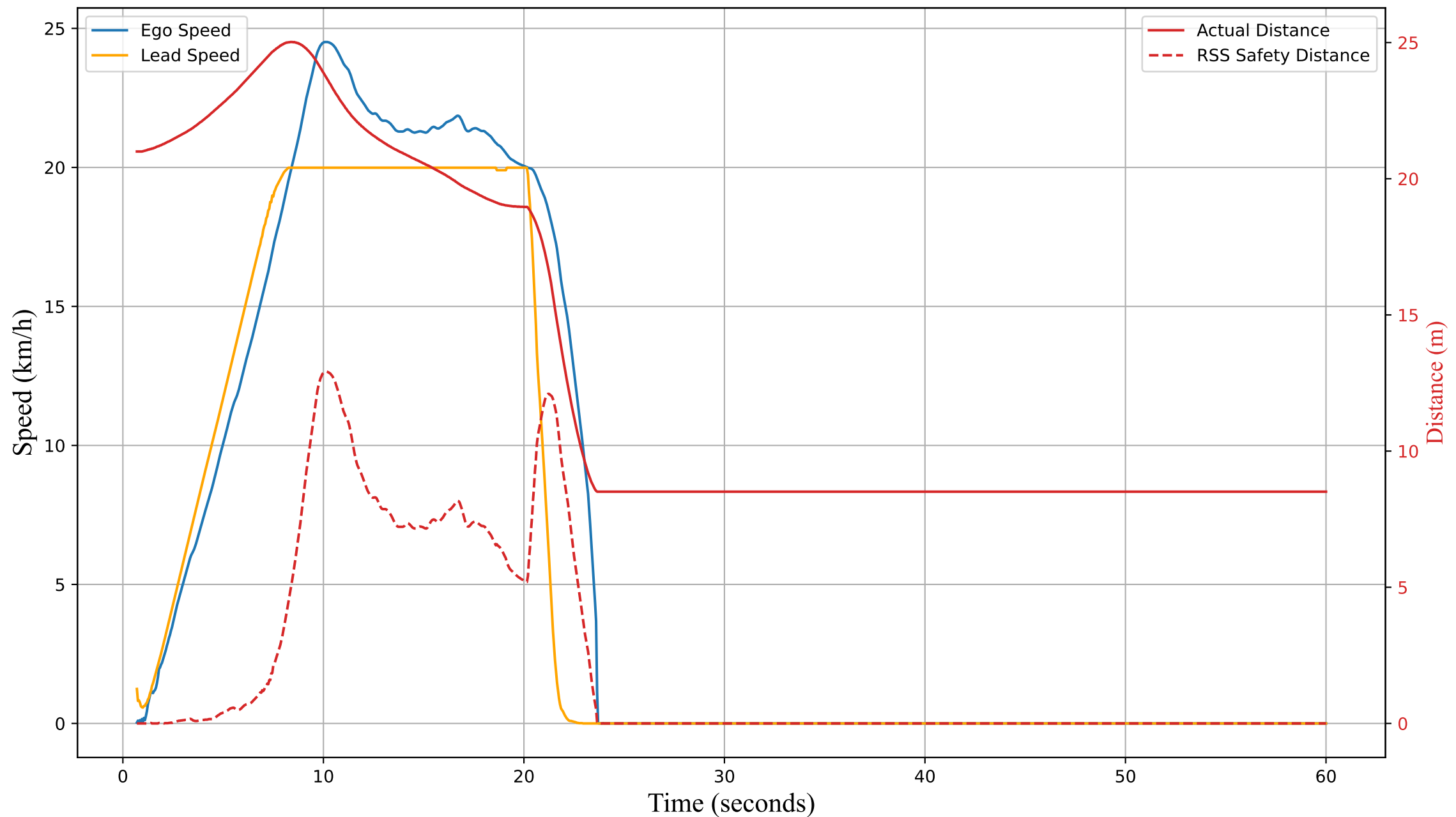


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

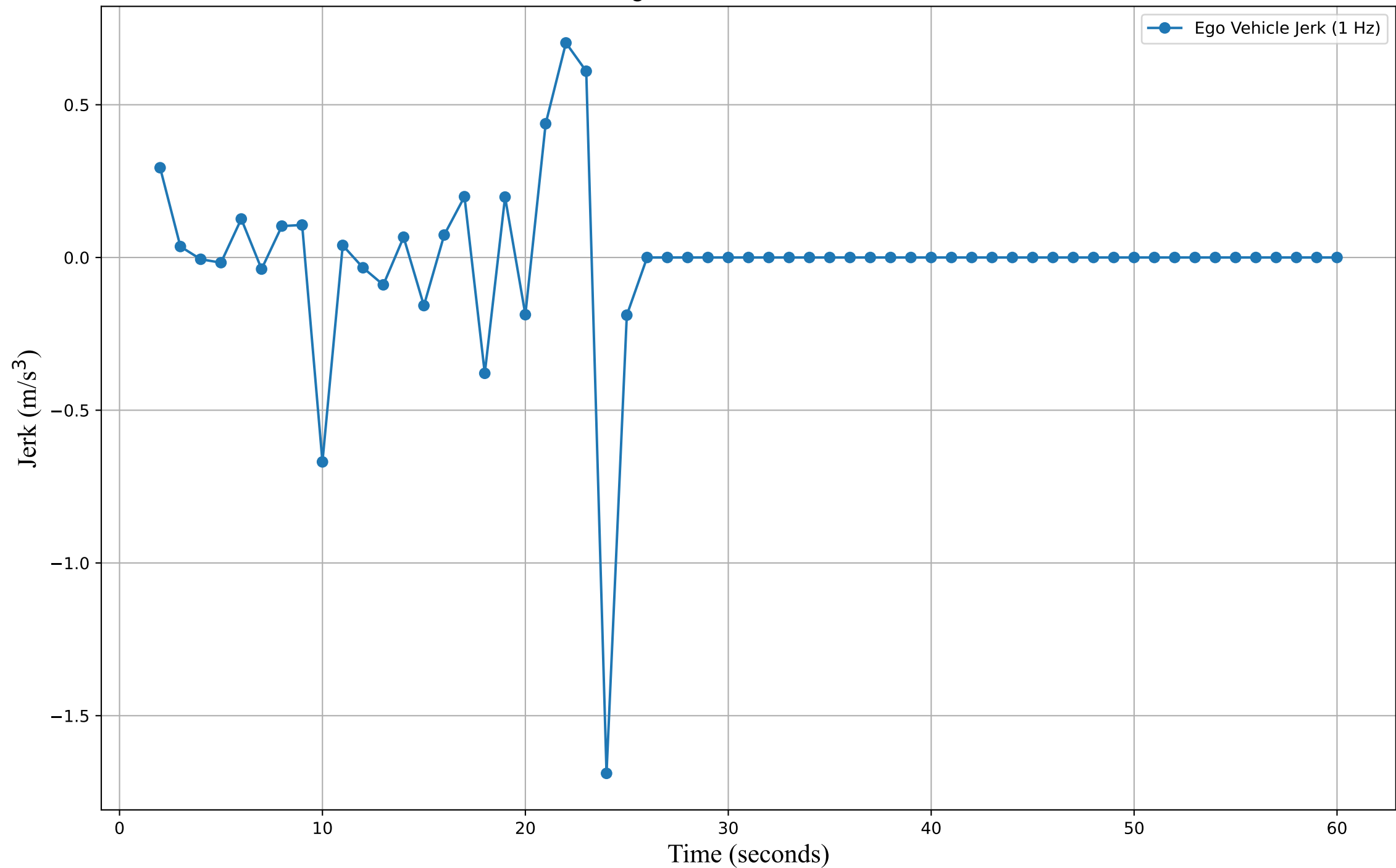


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

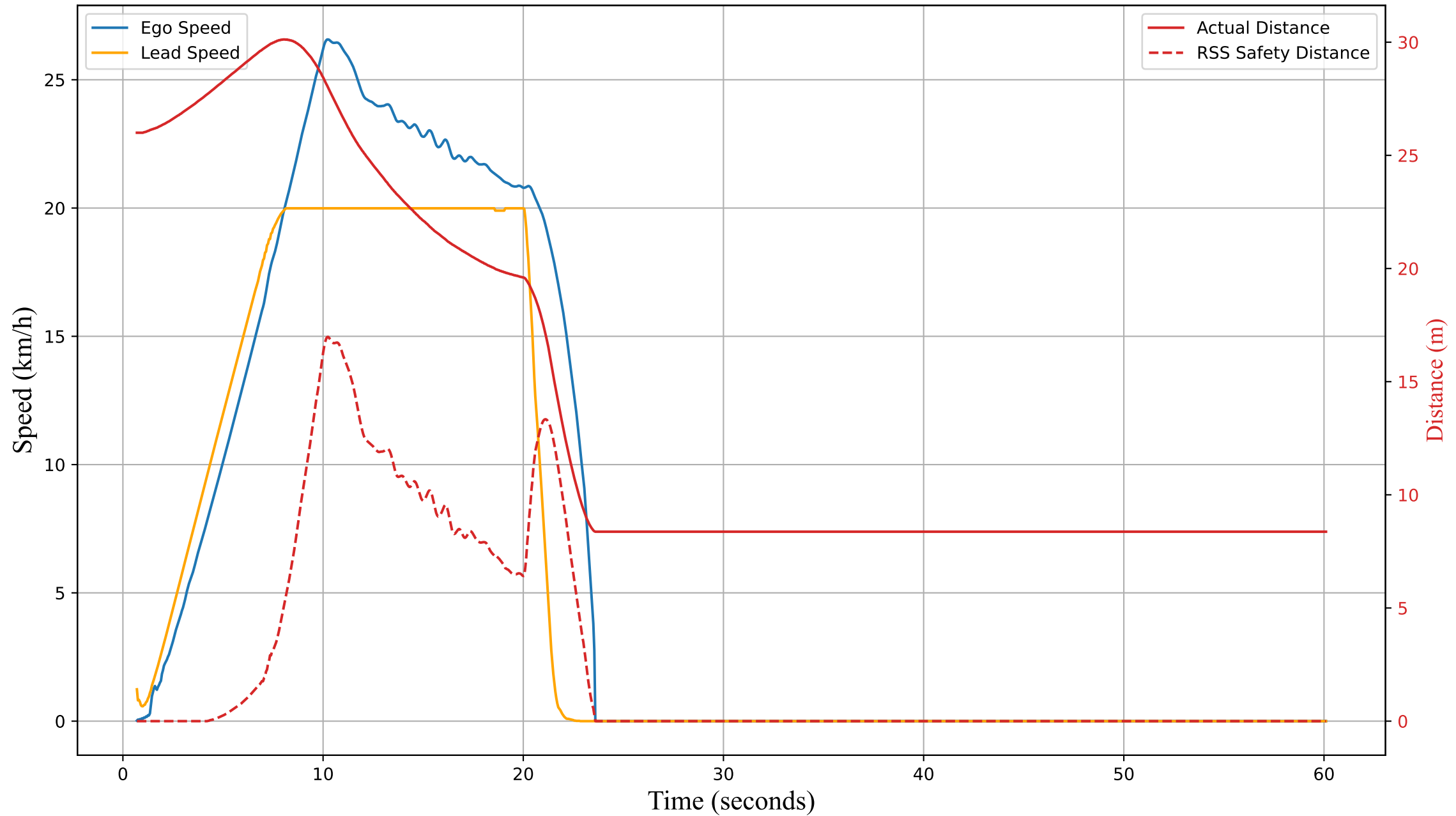


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

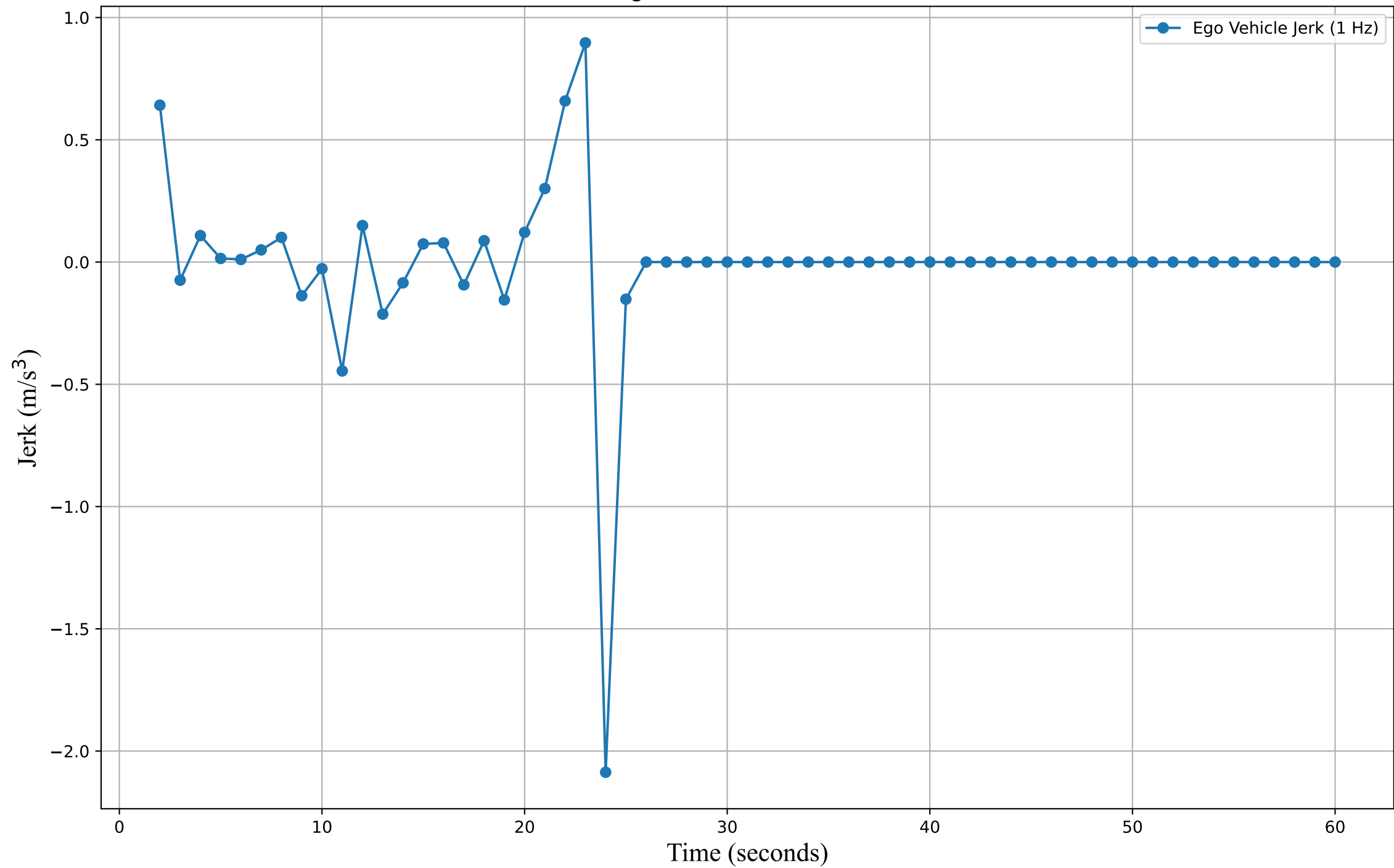


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

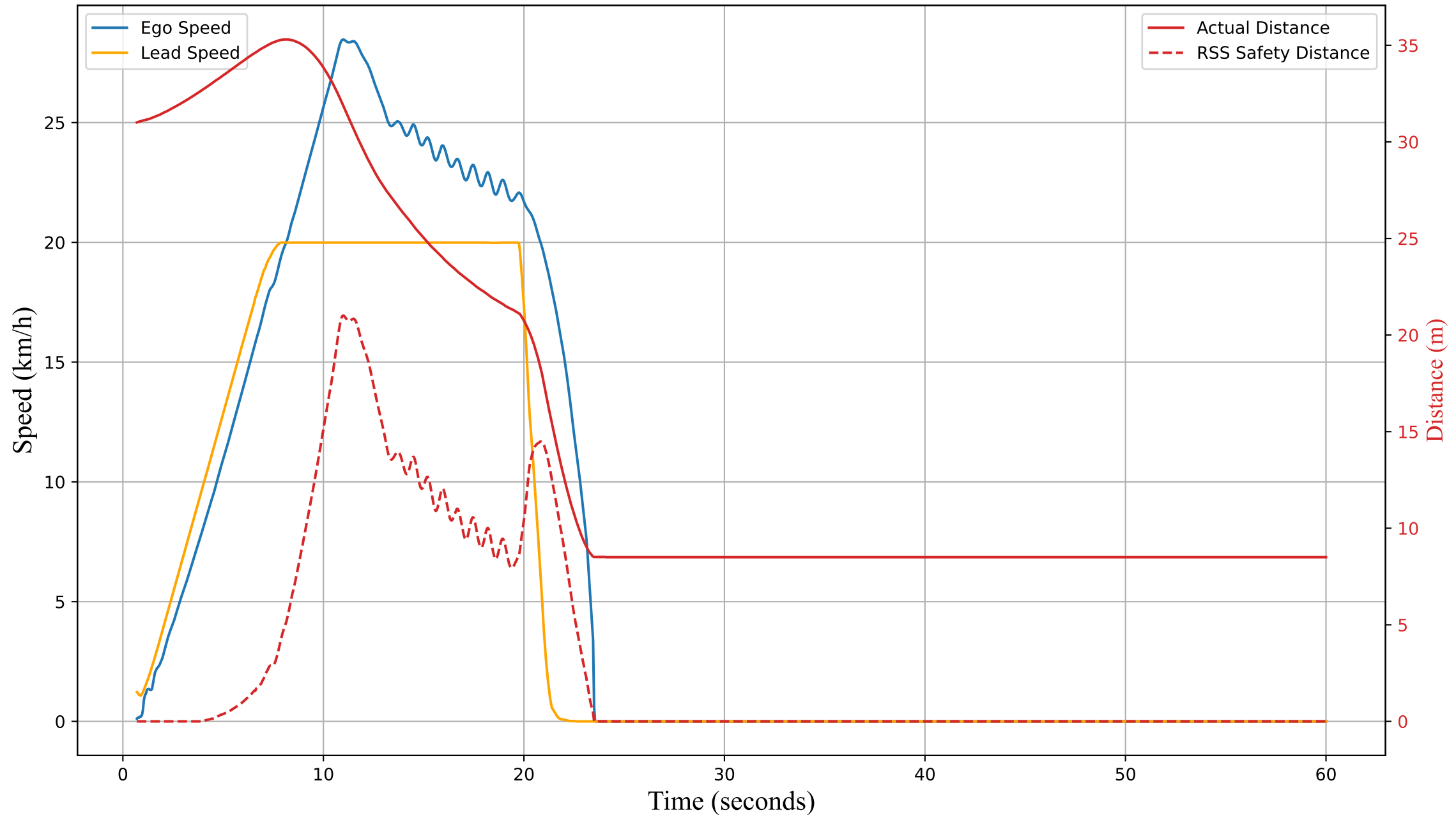


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

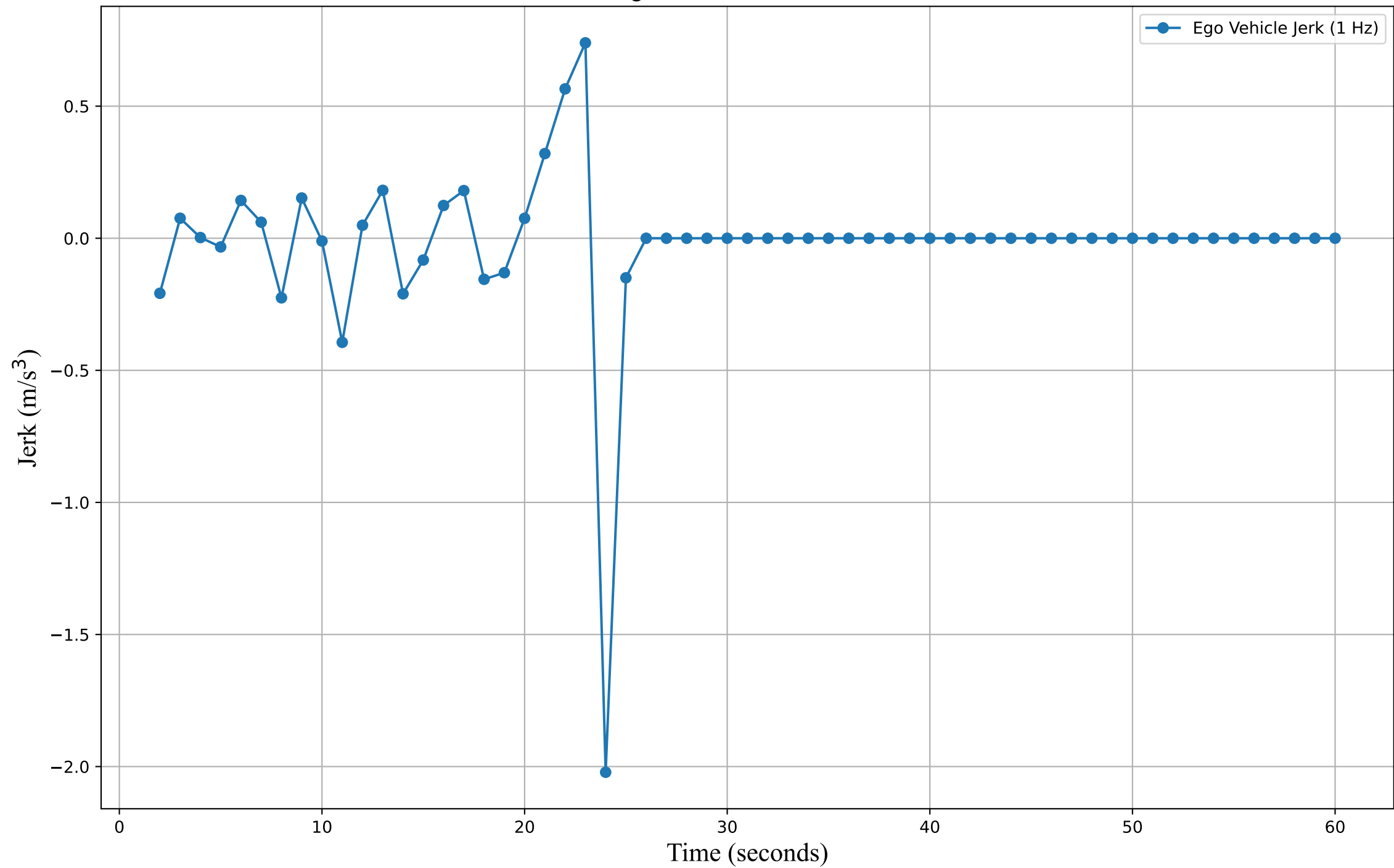


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

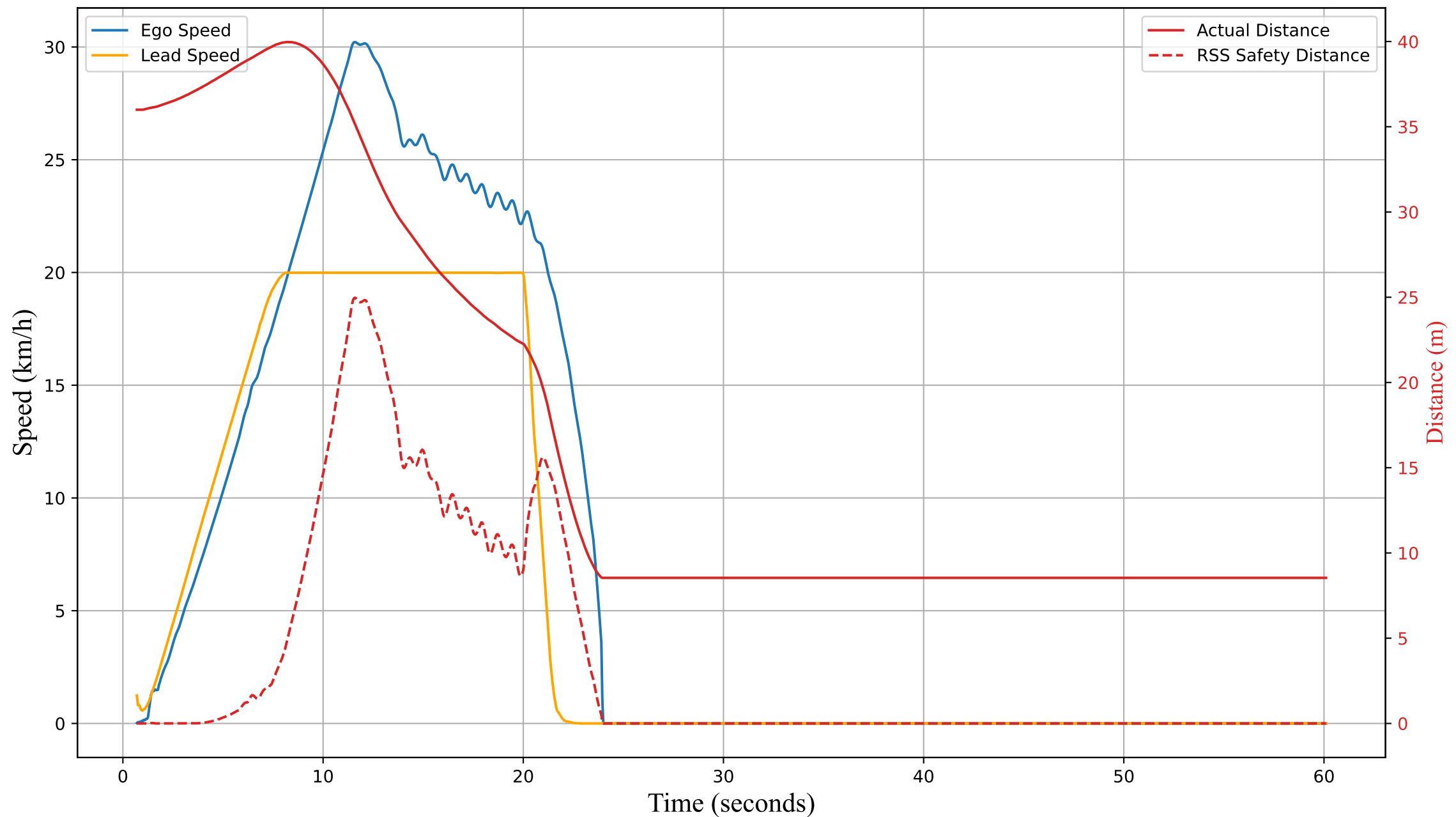


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

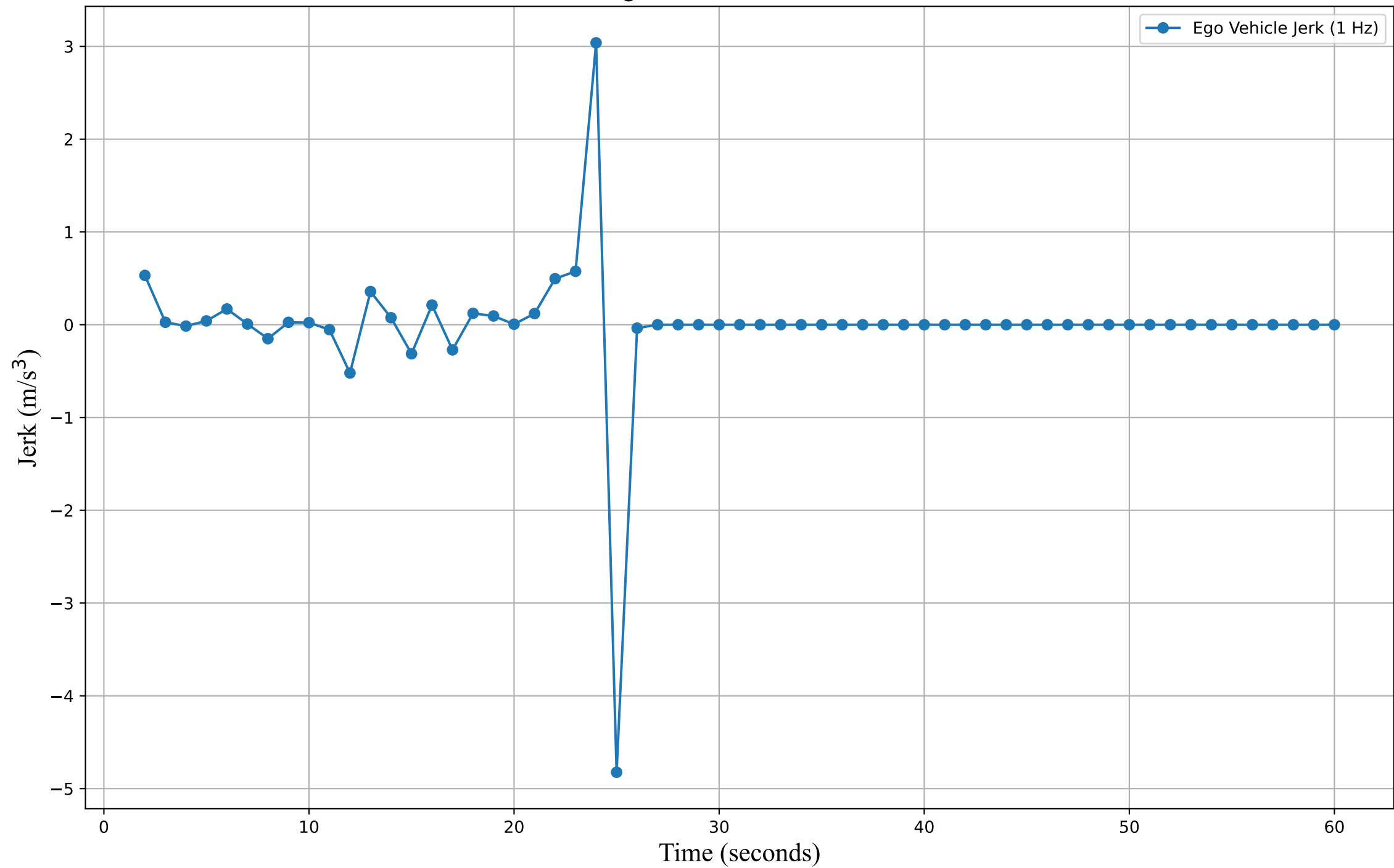


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

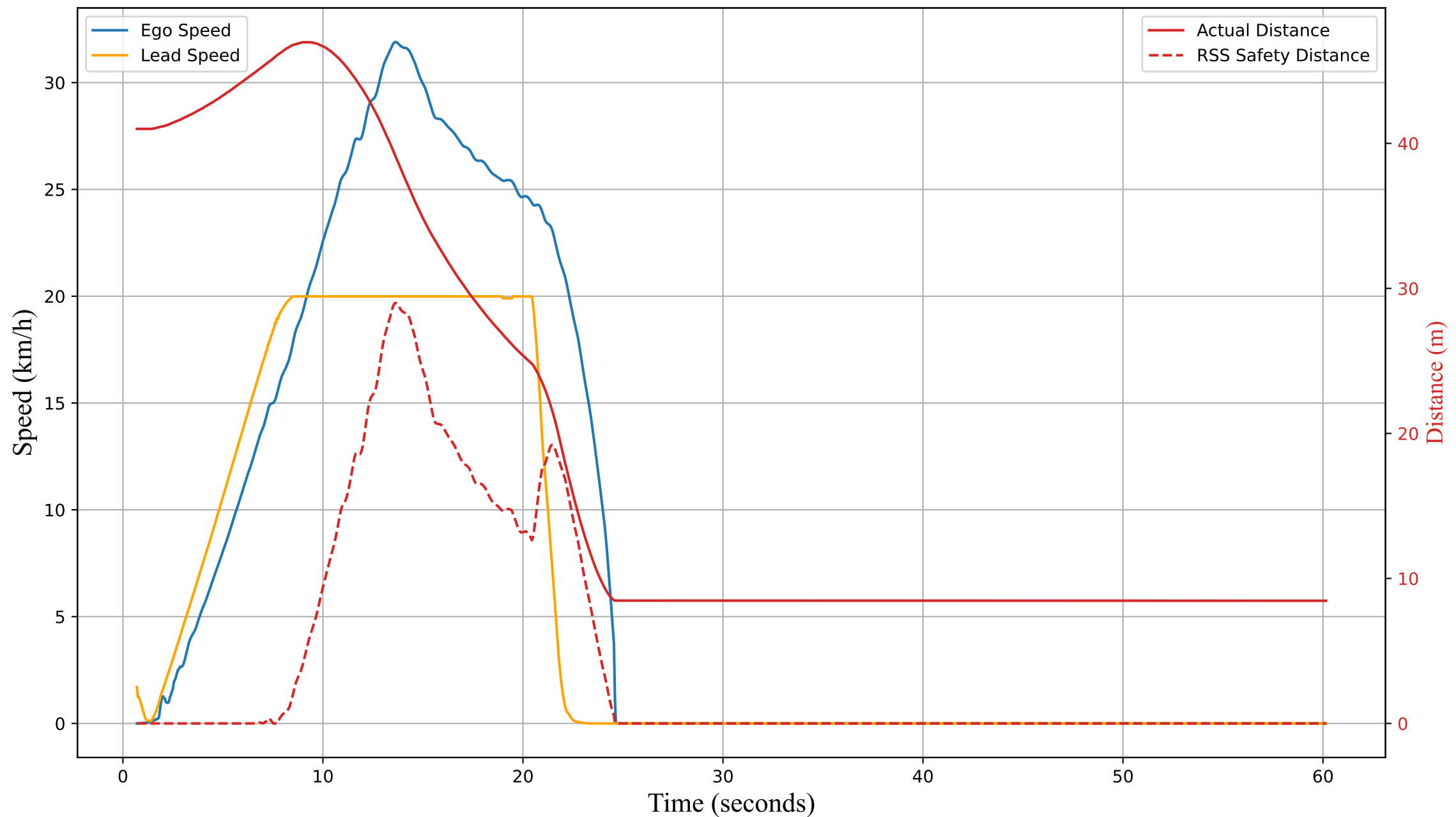


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time

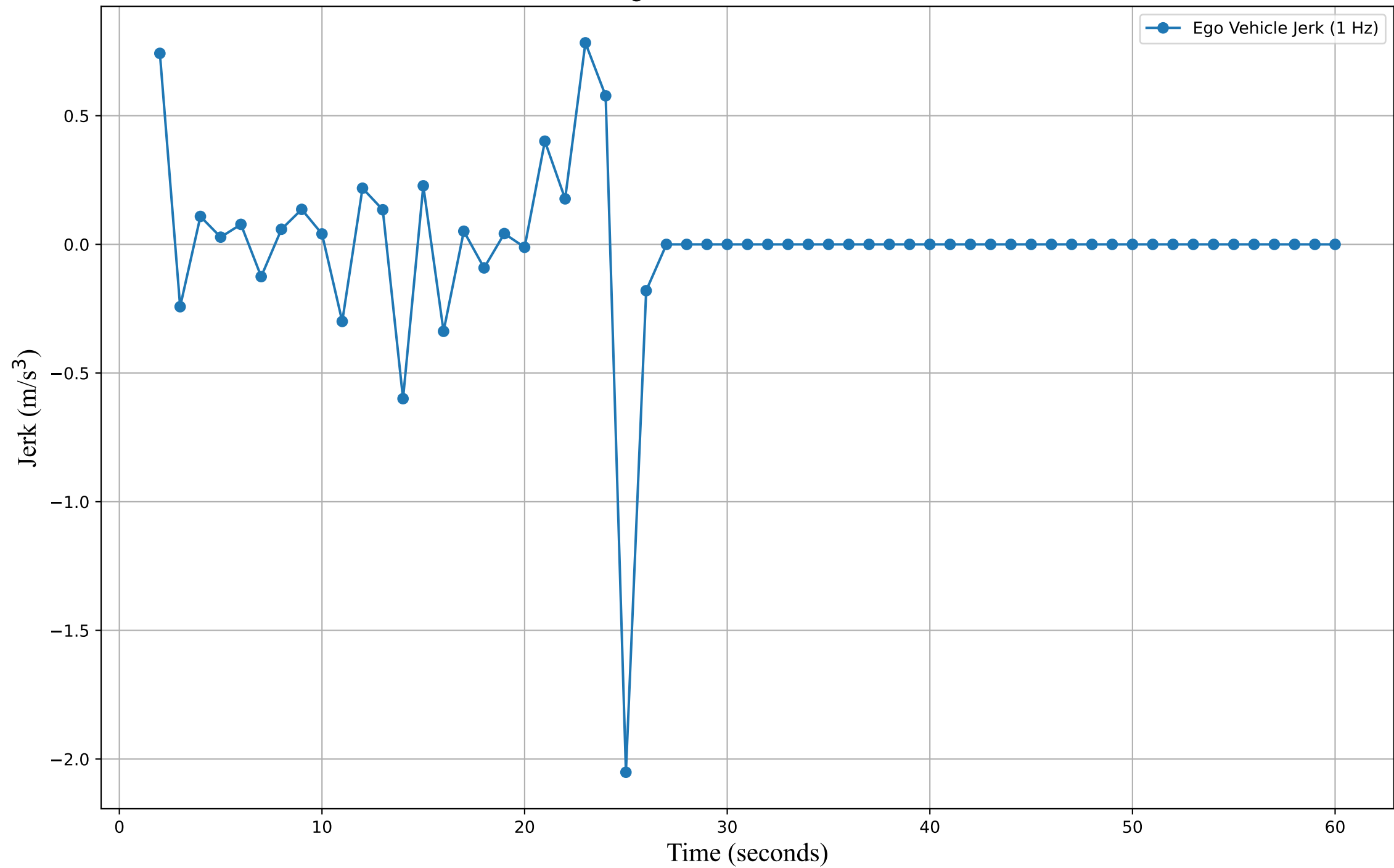


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

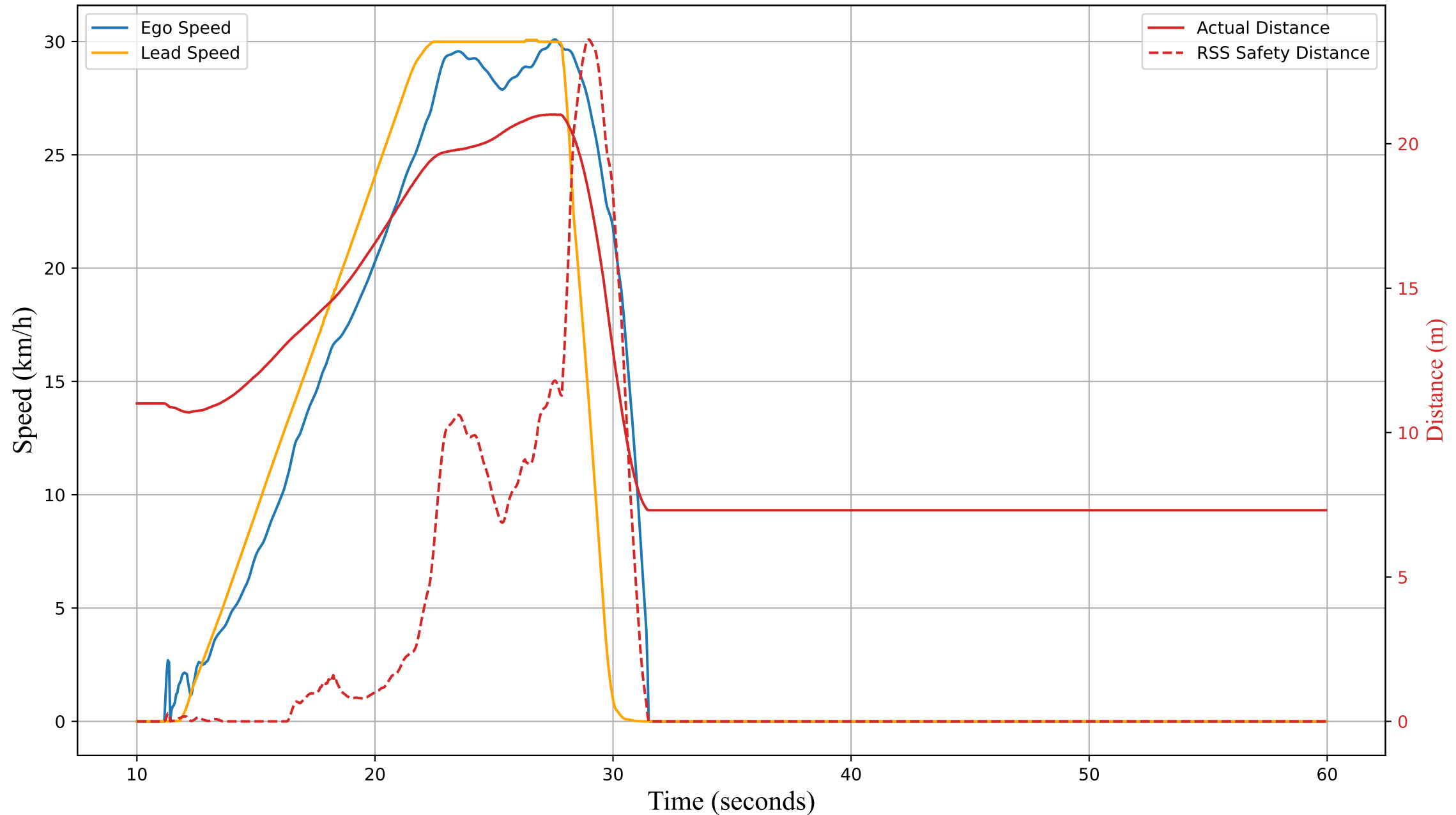


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

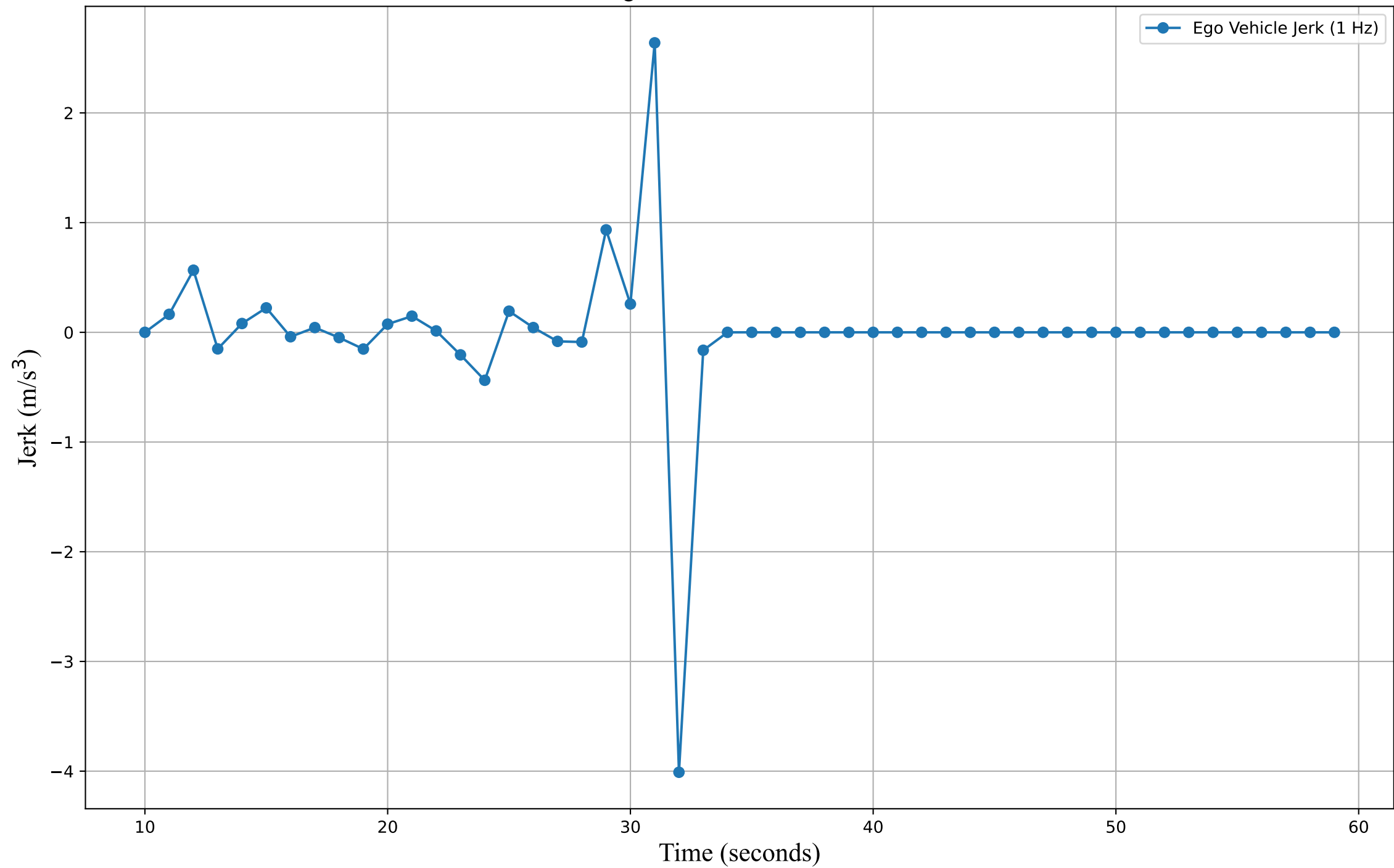


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

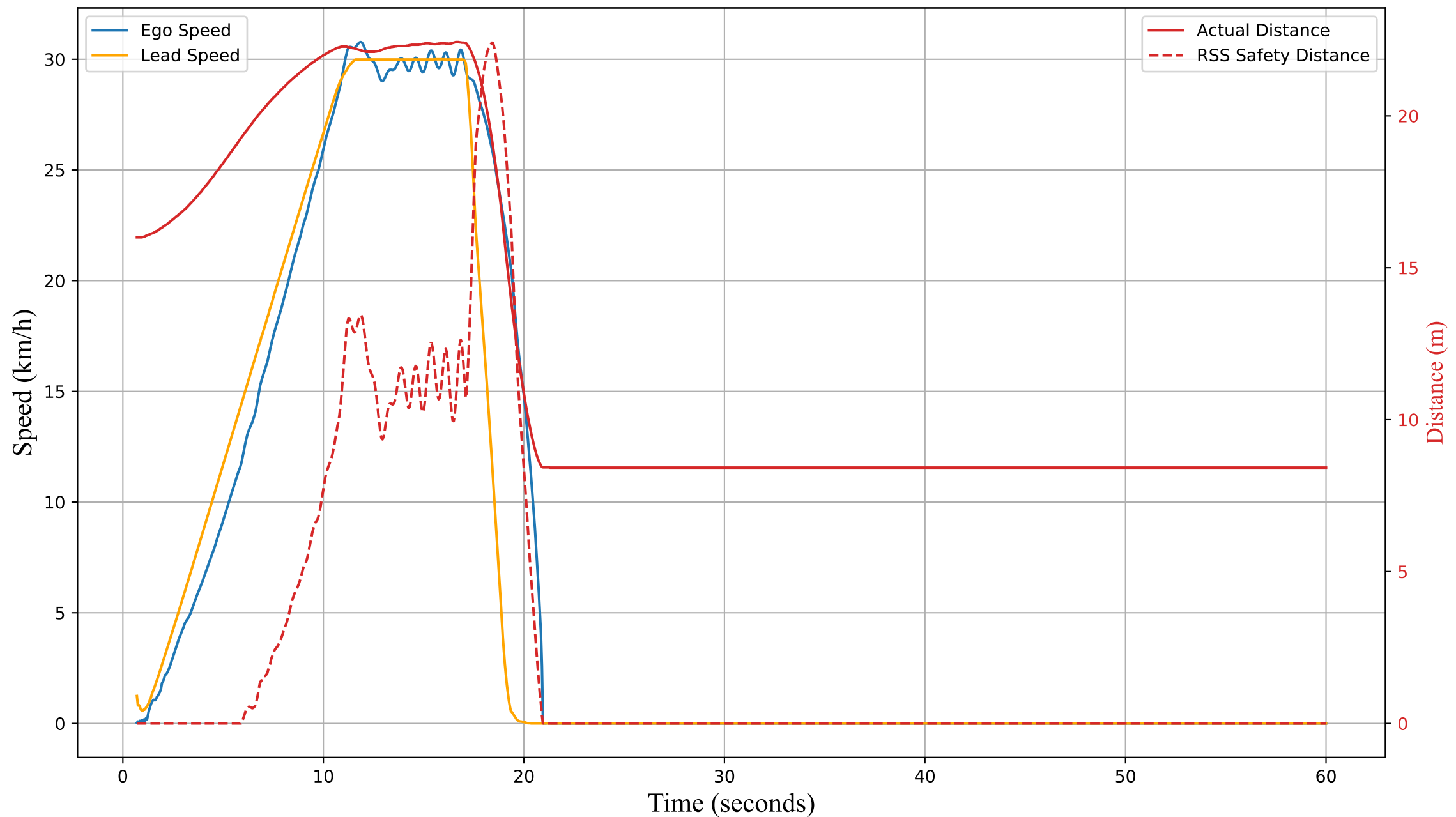


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=10 m

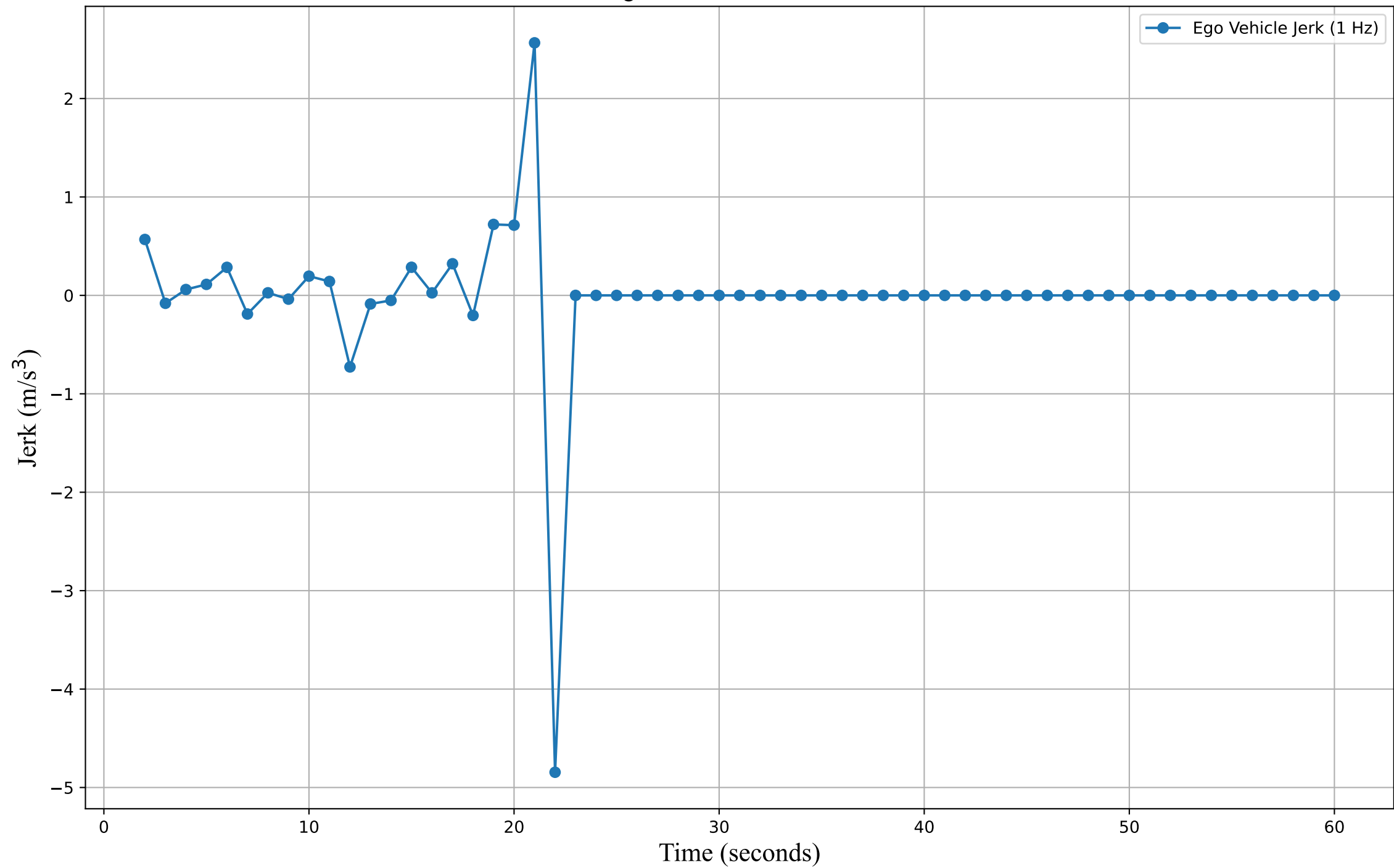
Ego Vehicle Jerk Over Time



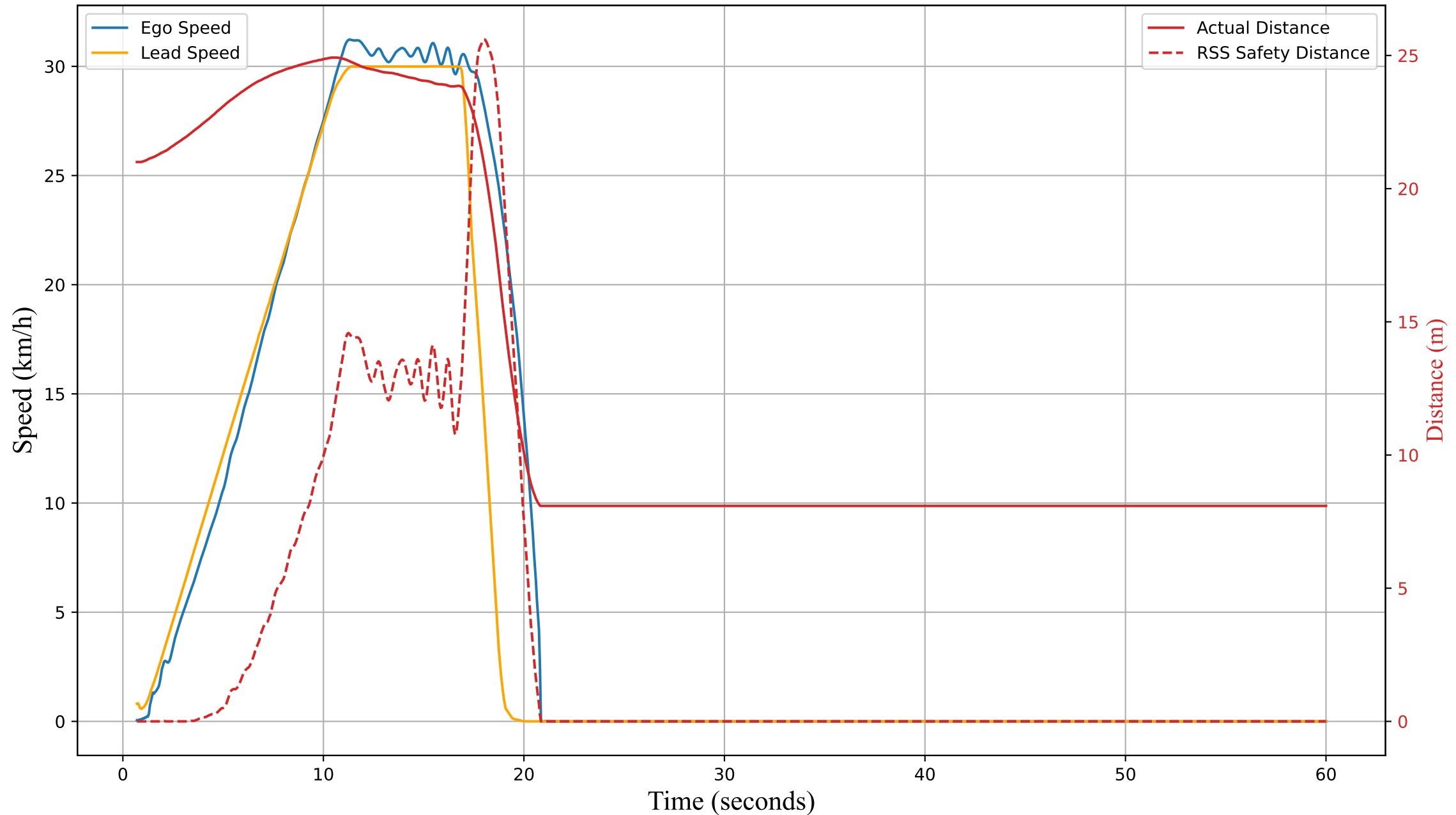
Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=15 m
Ego Vehicle Jerk Over Time

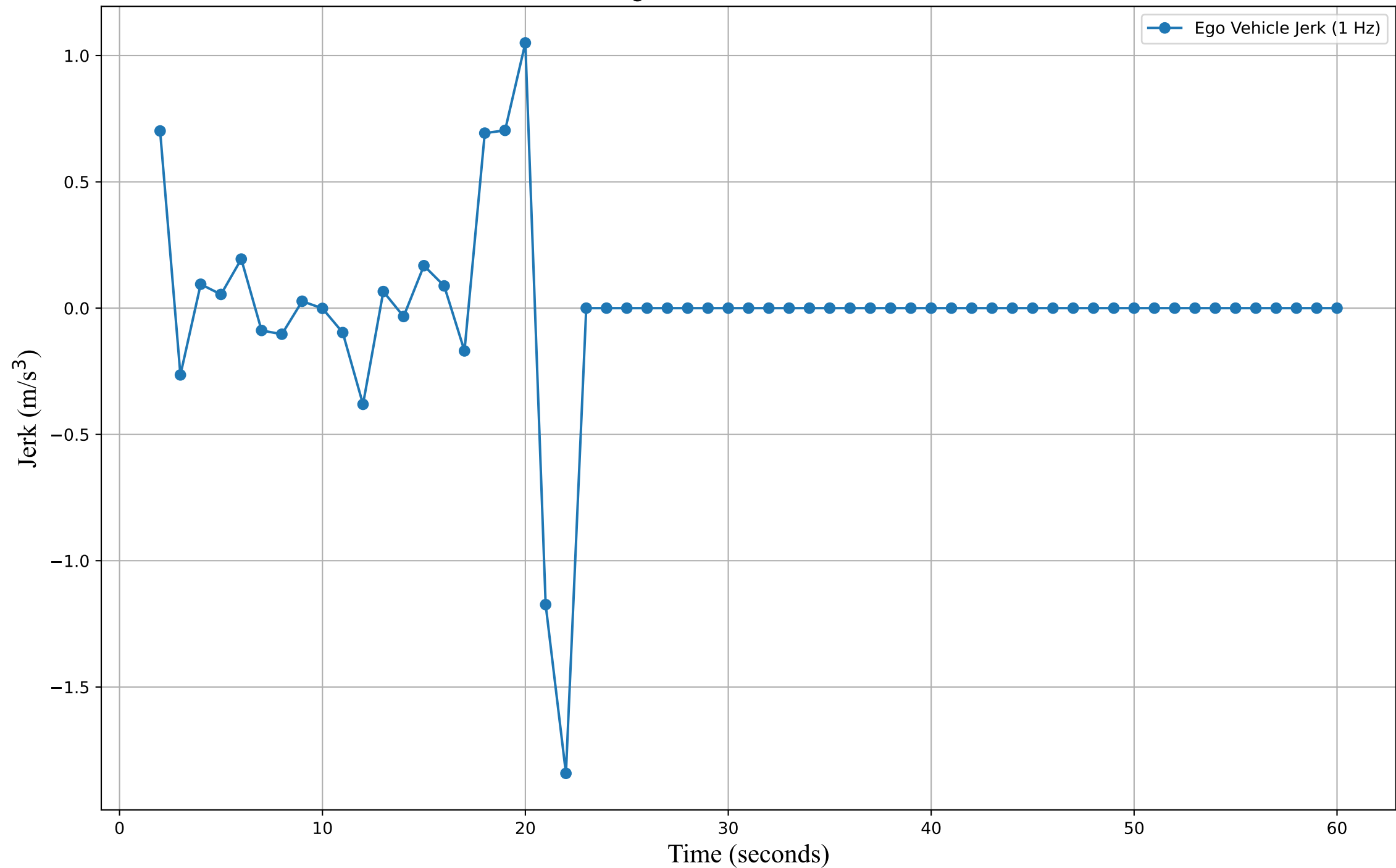


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

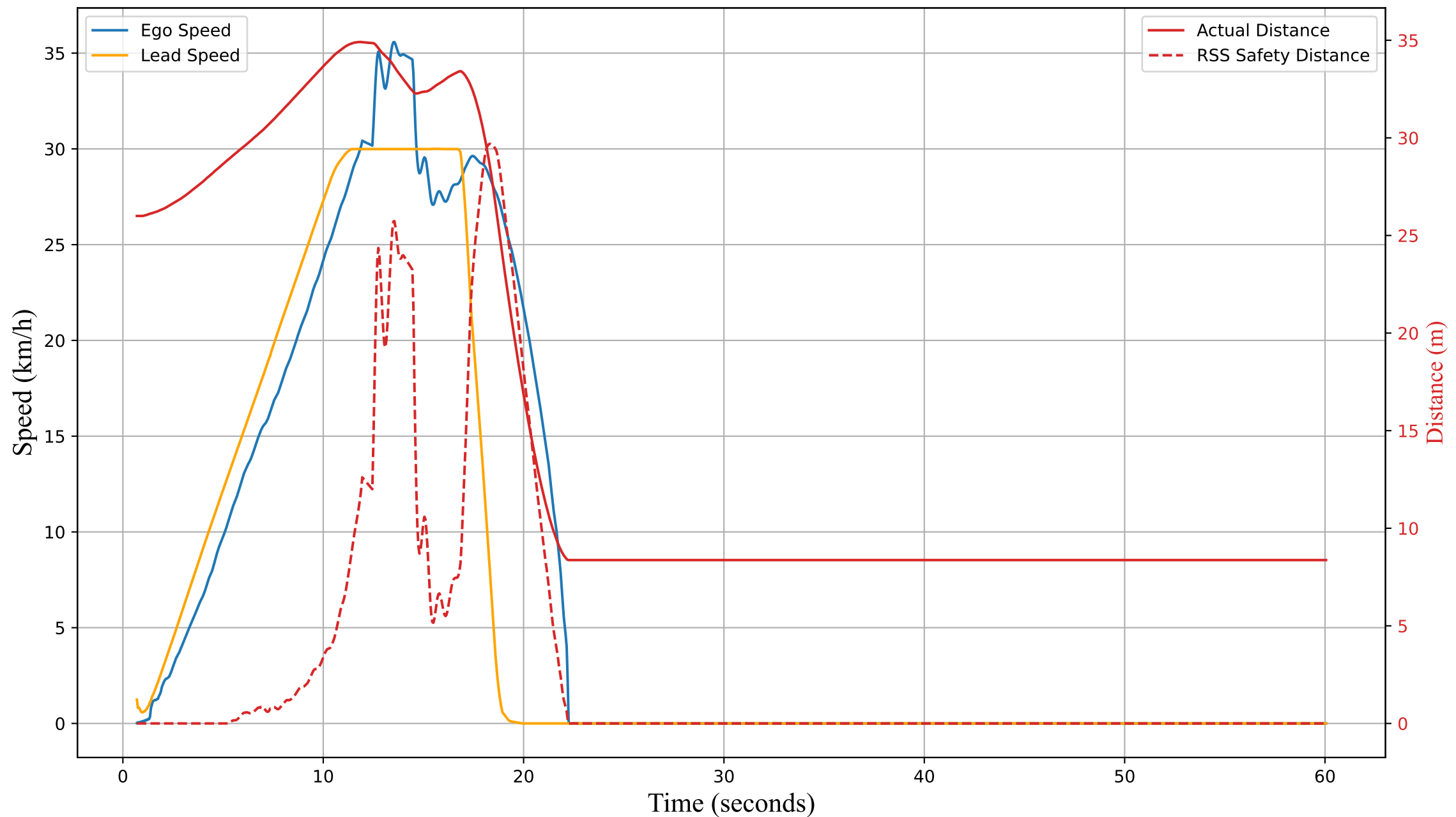


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

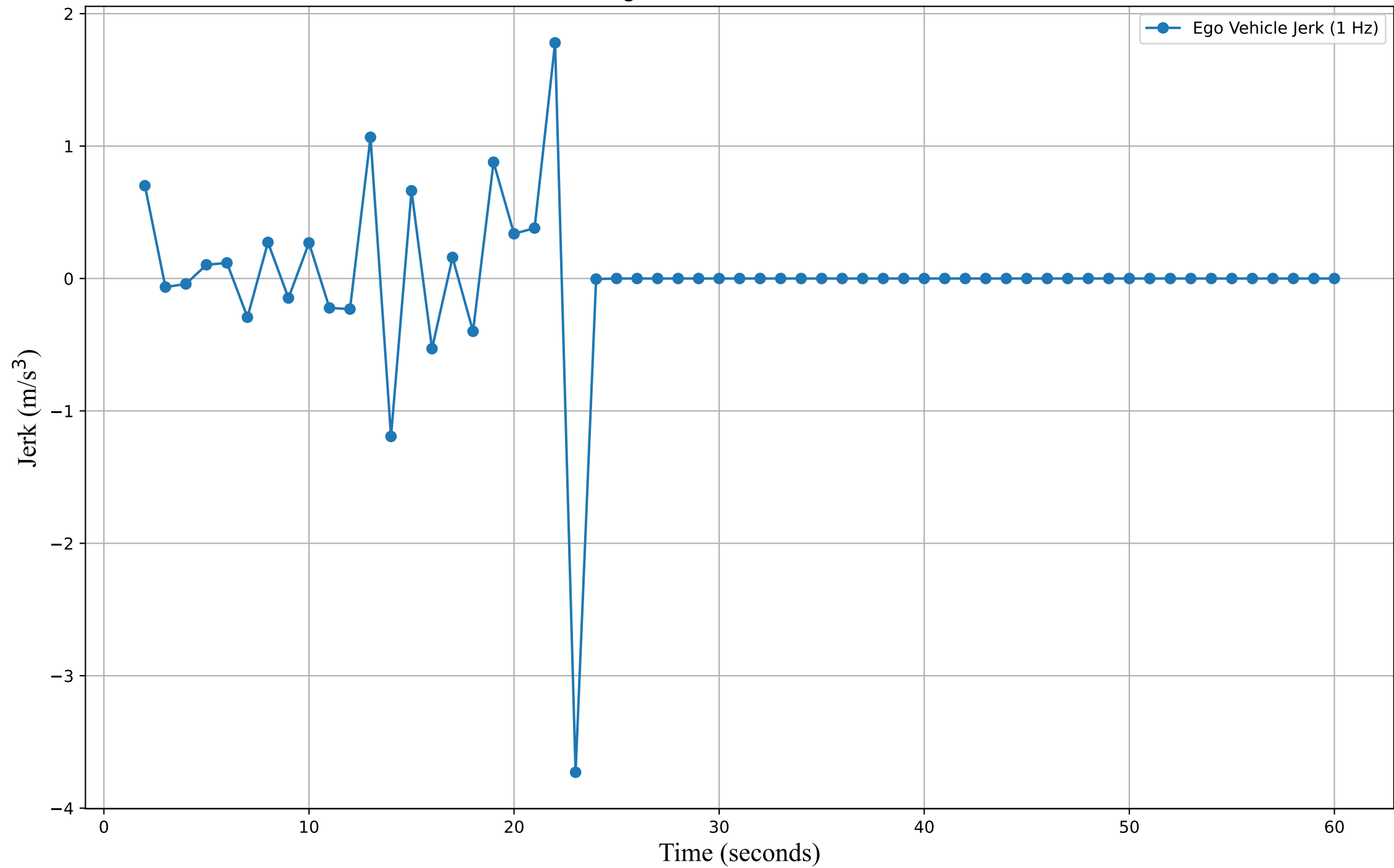


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

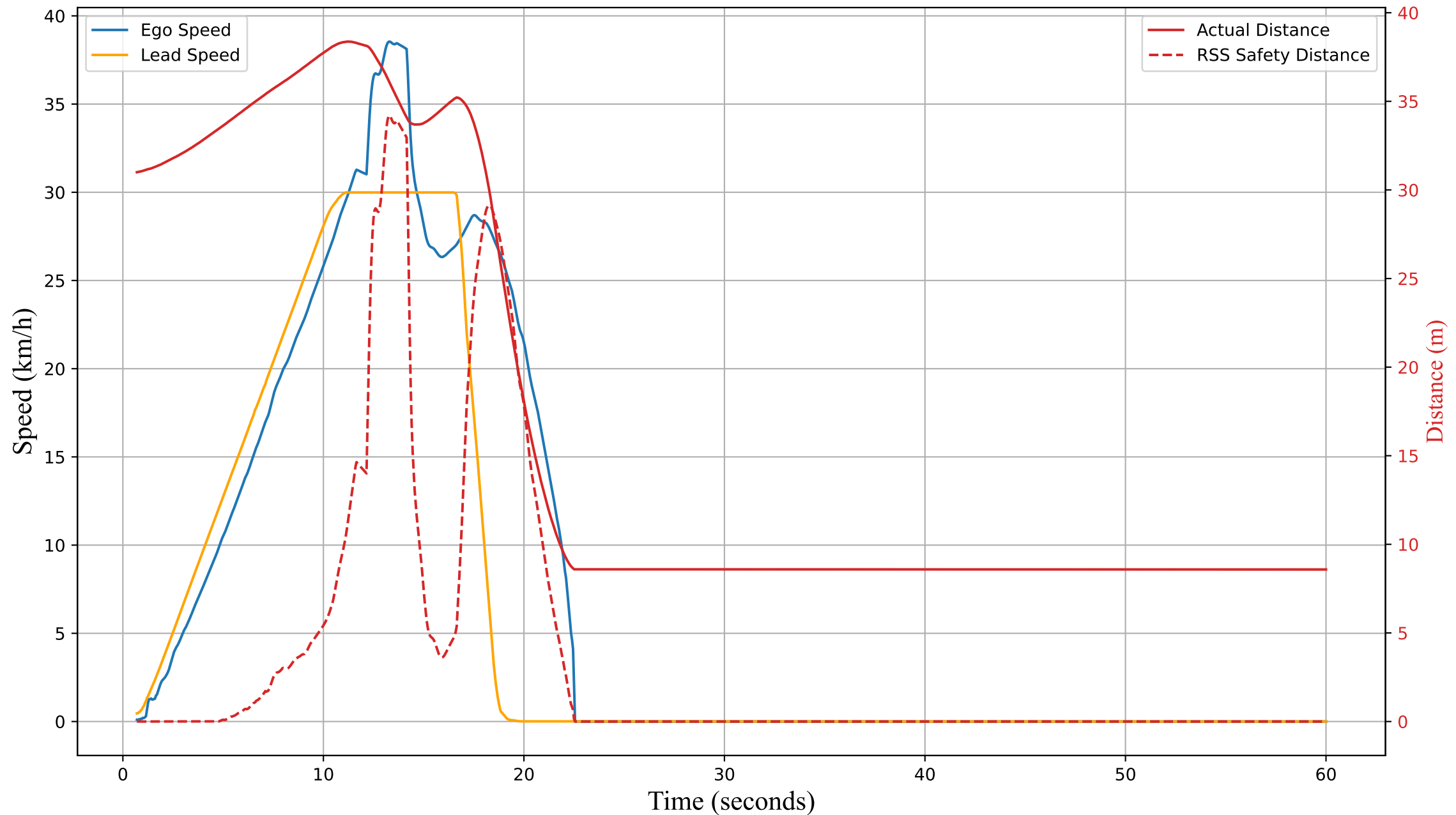


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

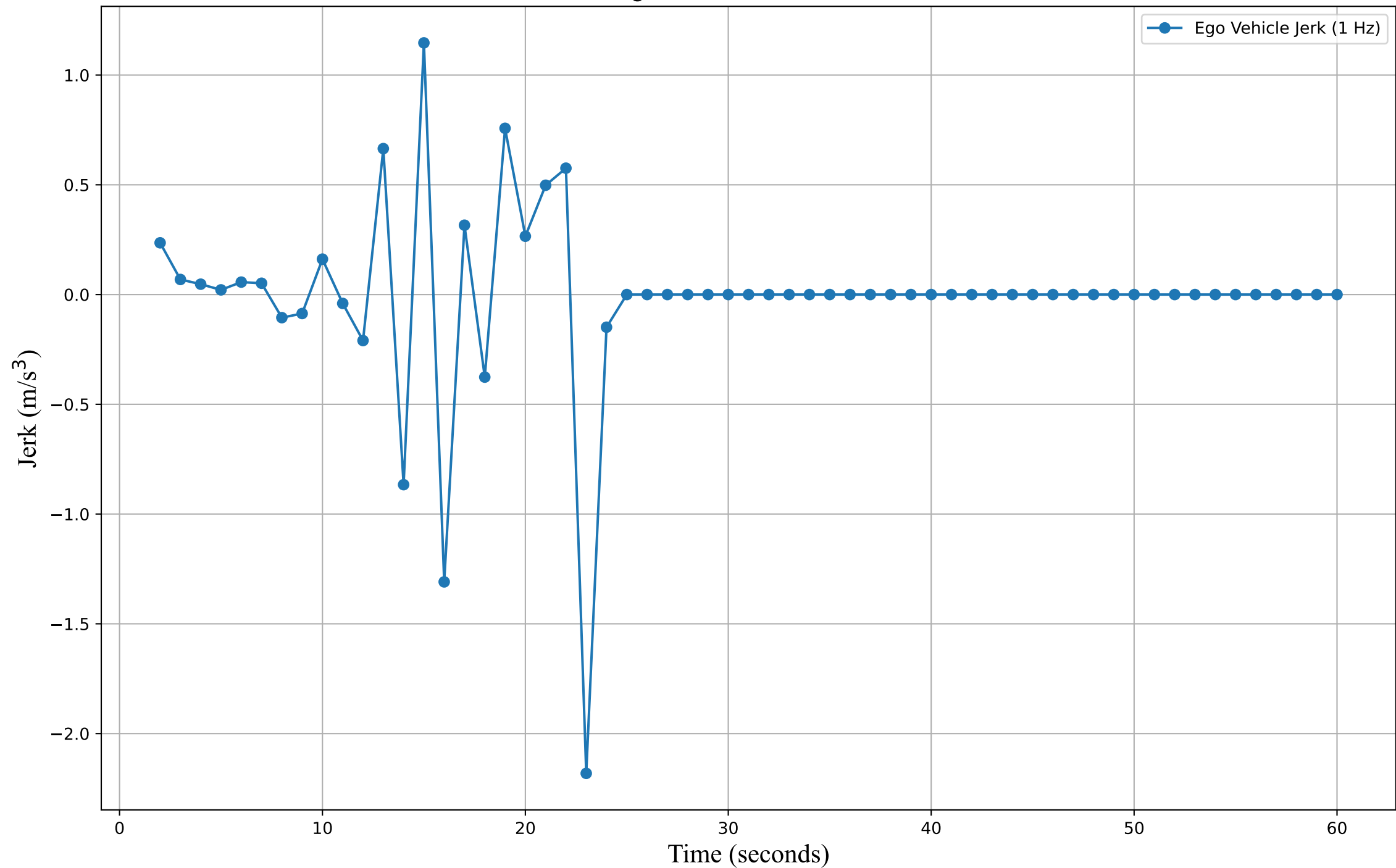


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

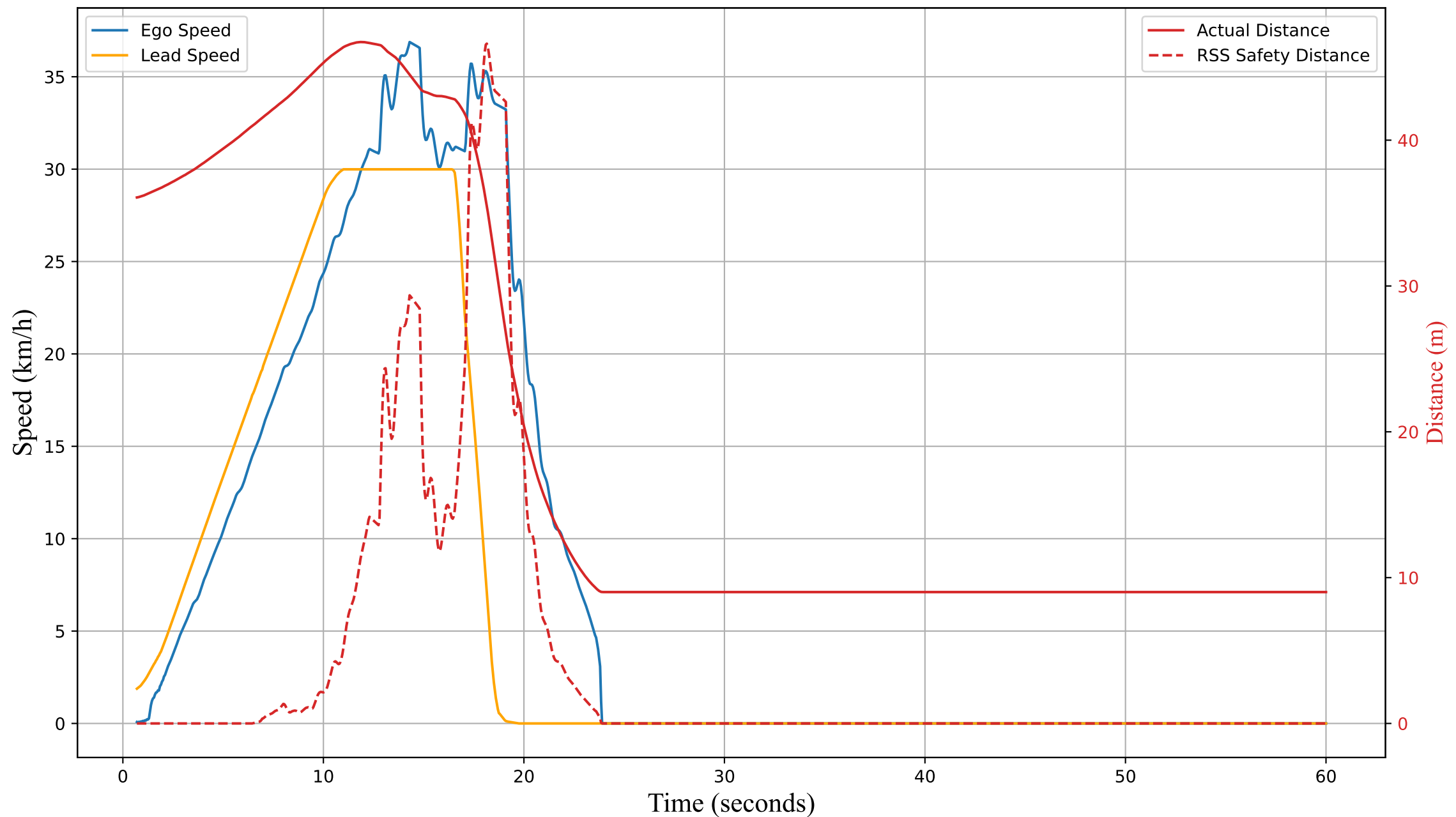


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

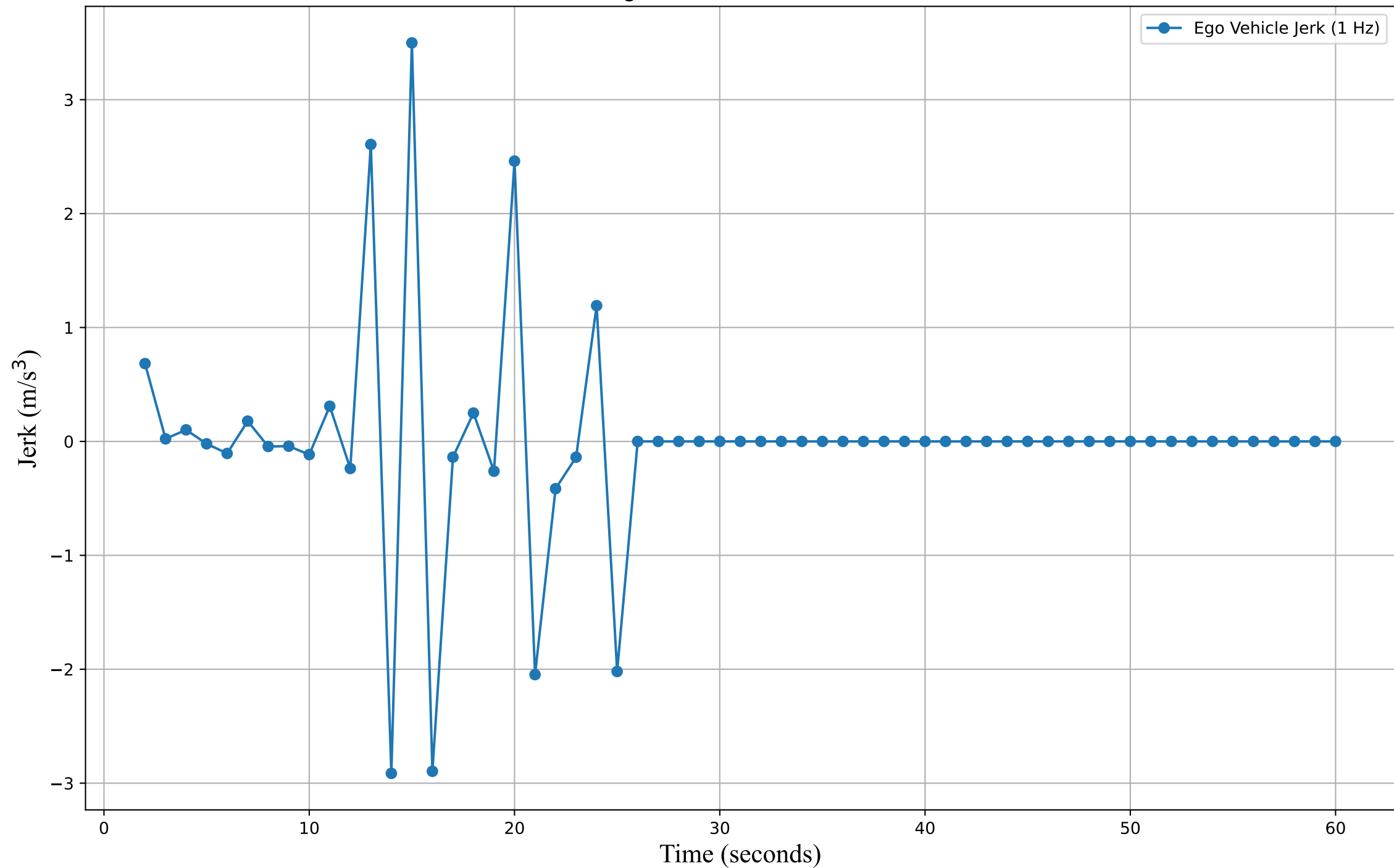


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

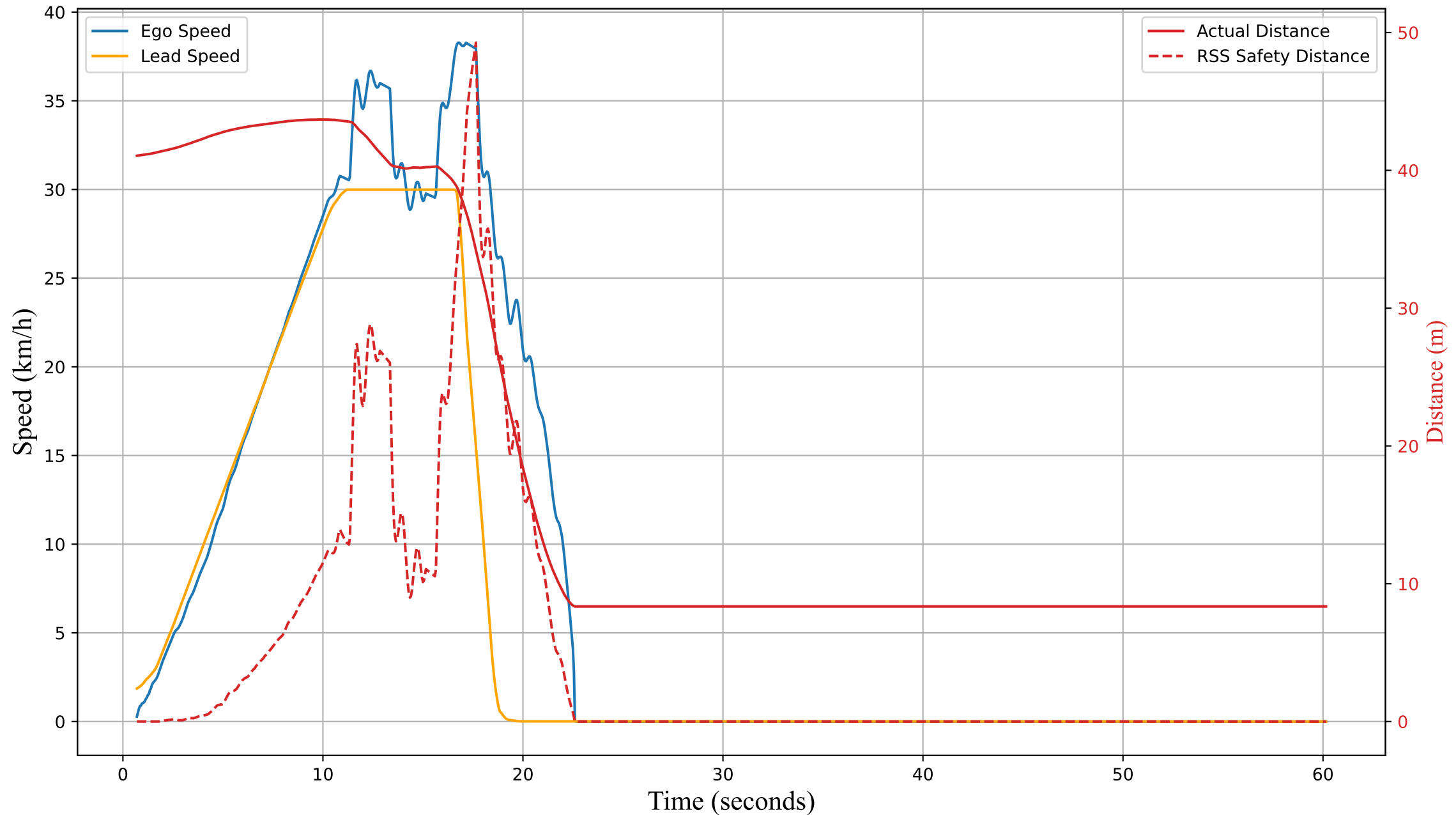


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time

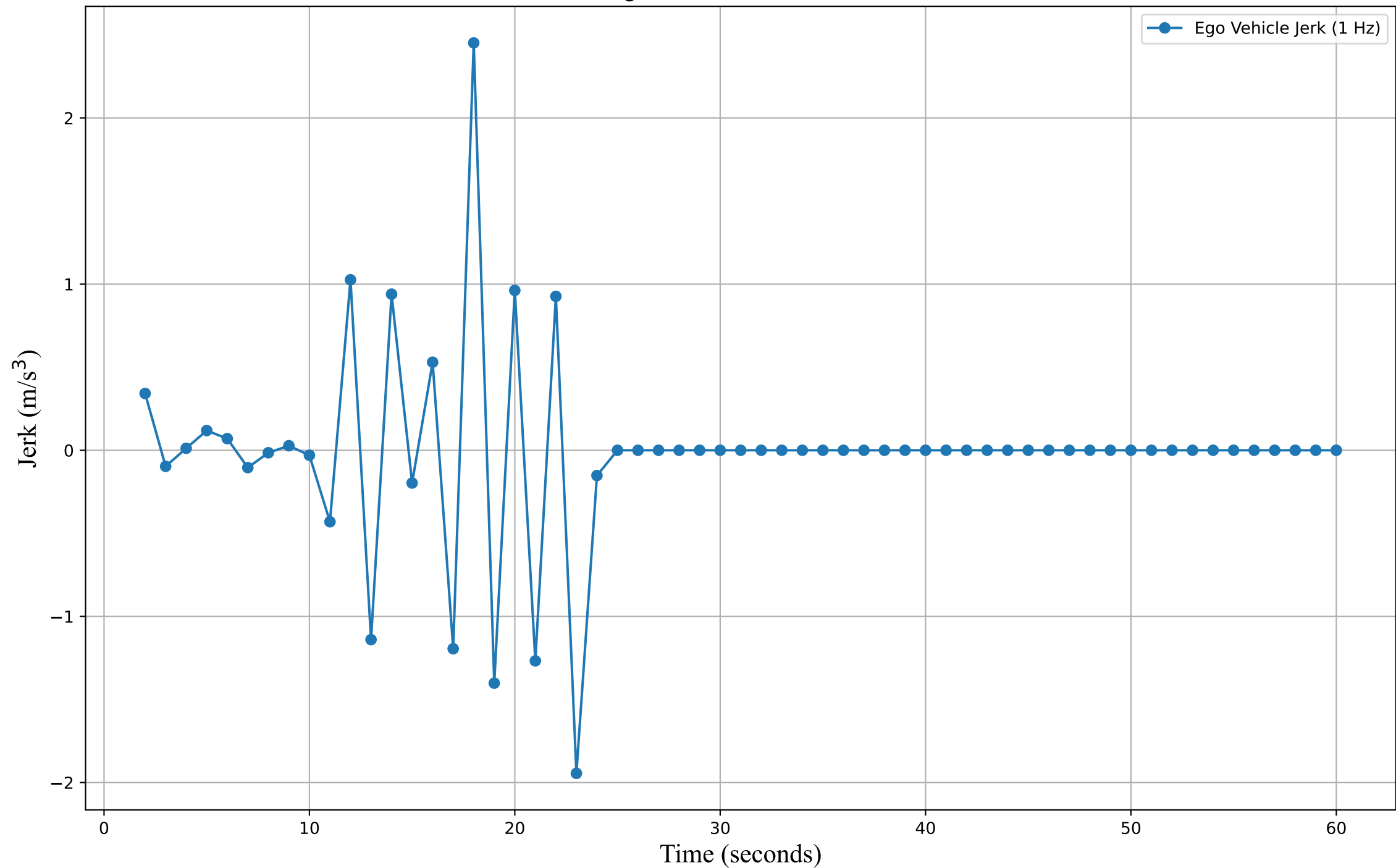


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

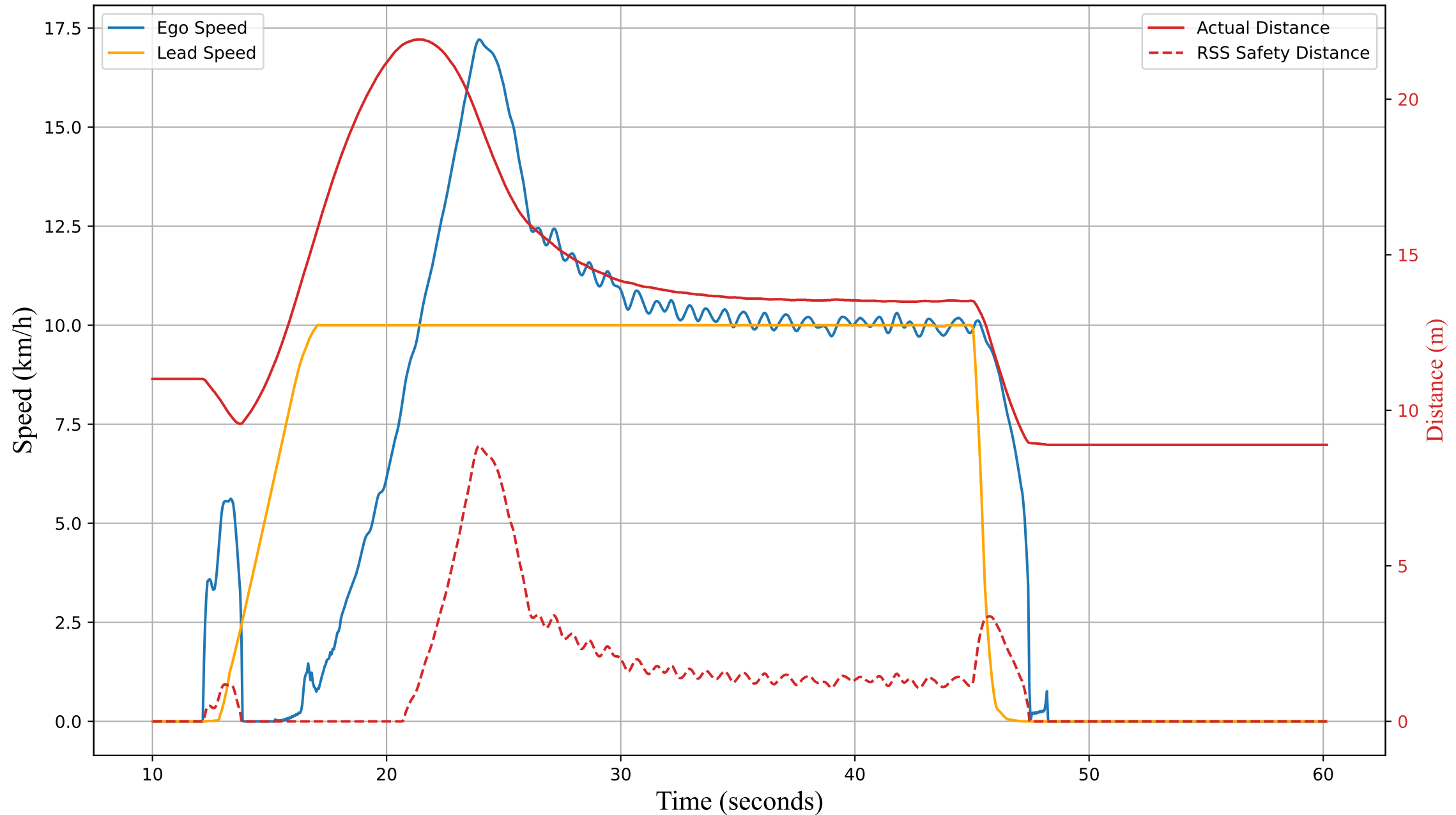


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

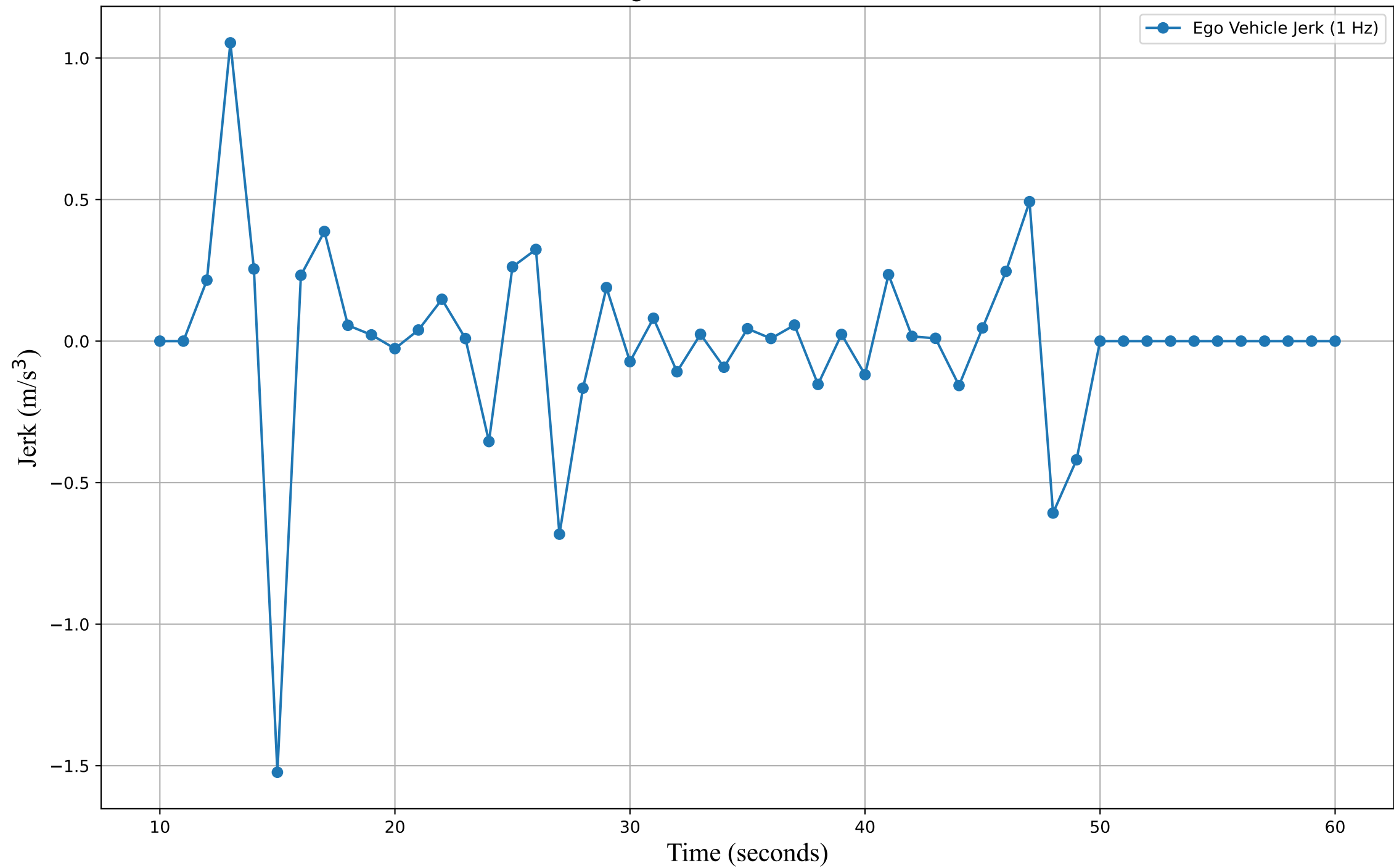


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

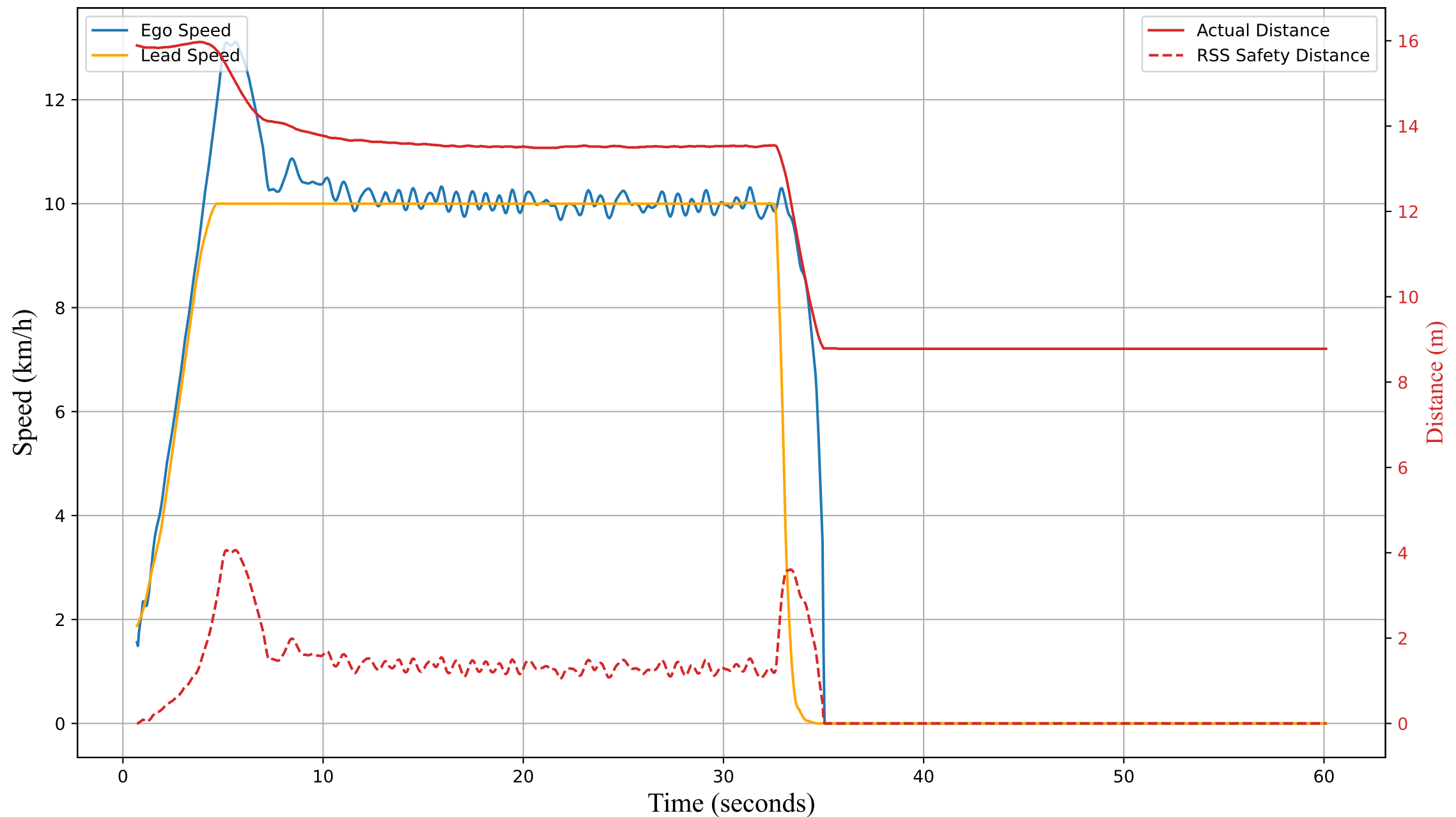


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

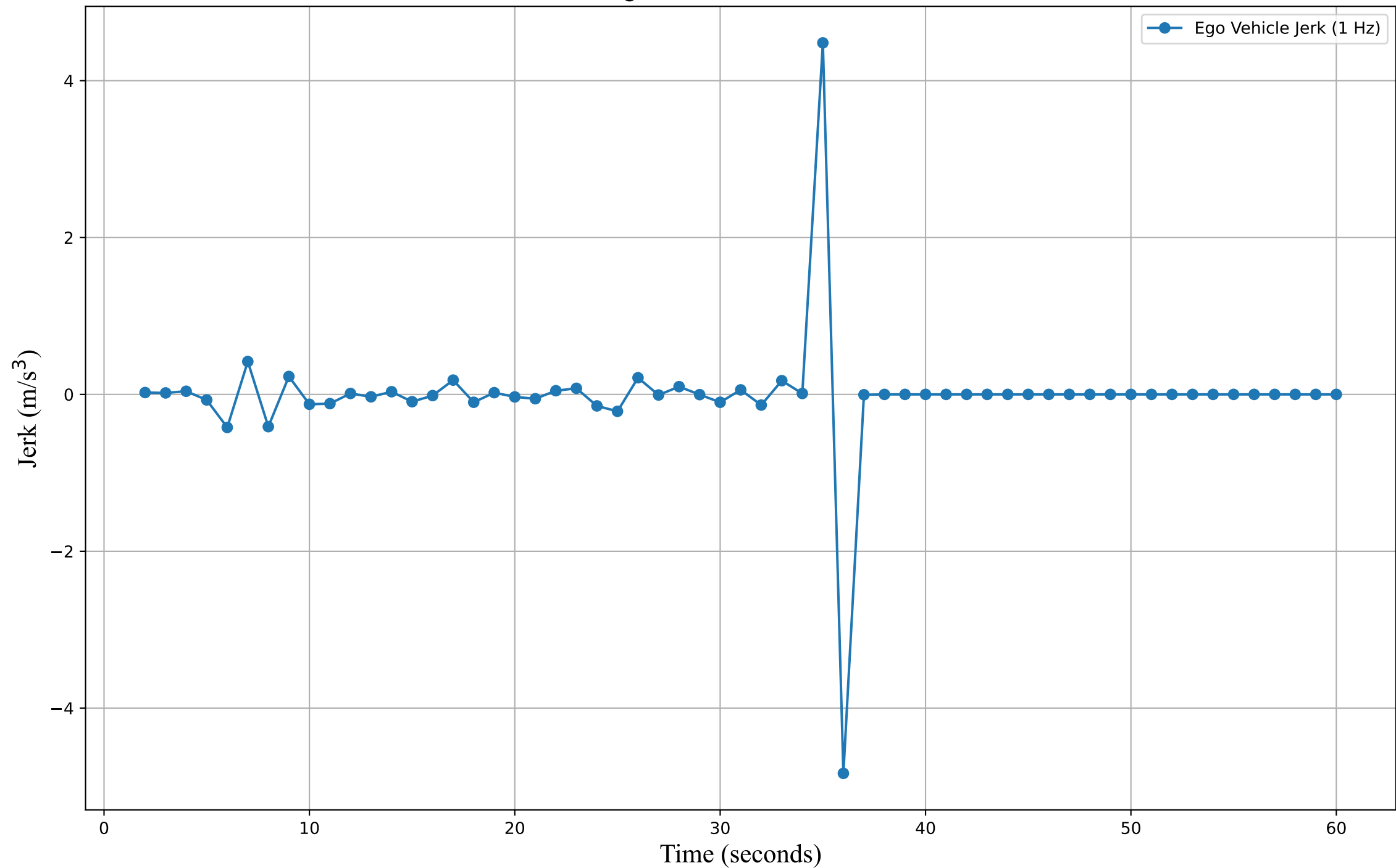


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

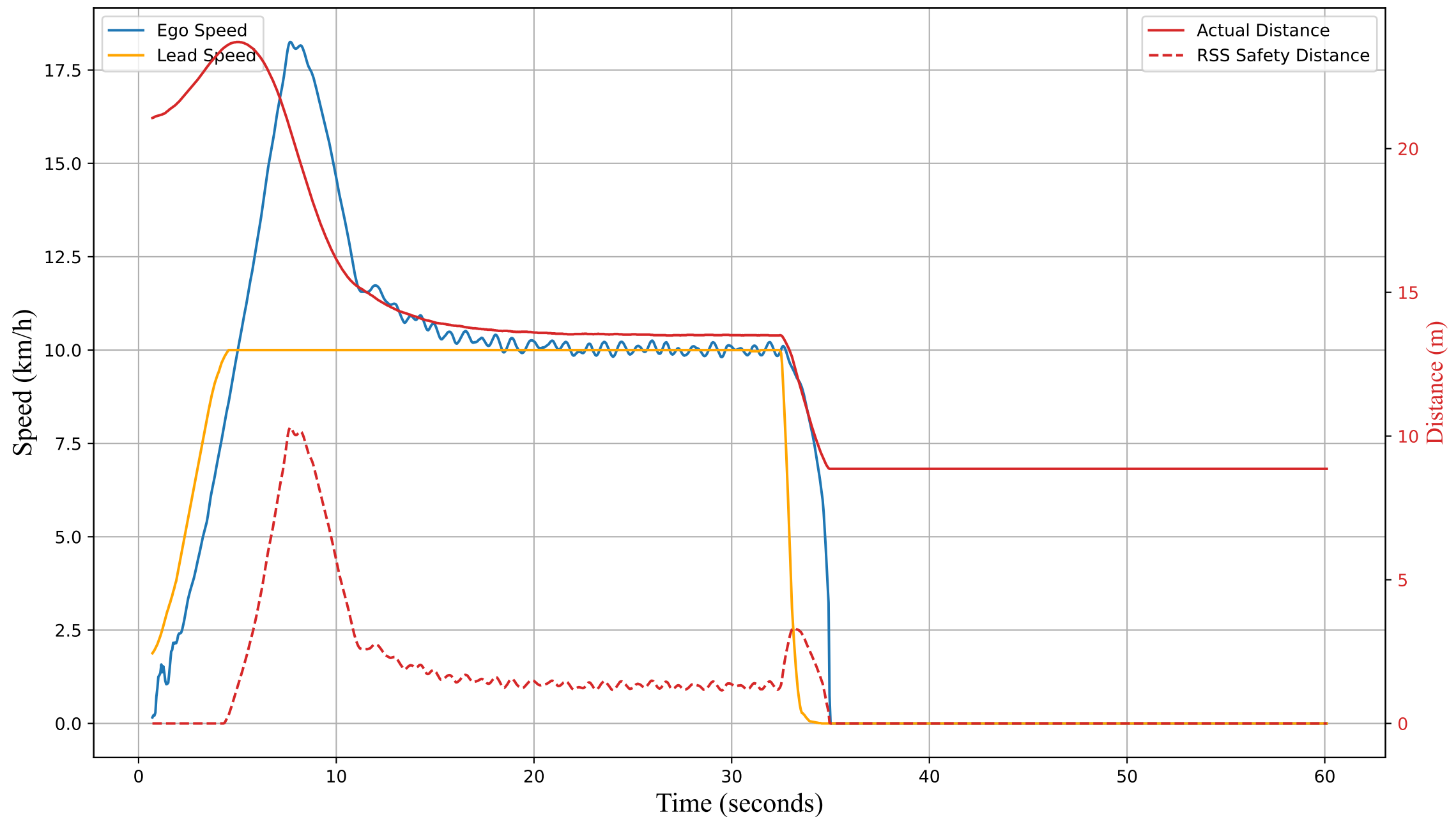


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

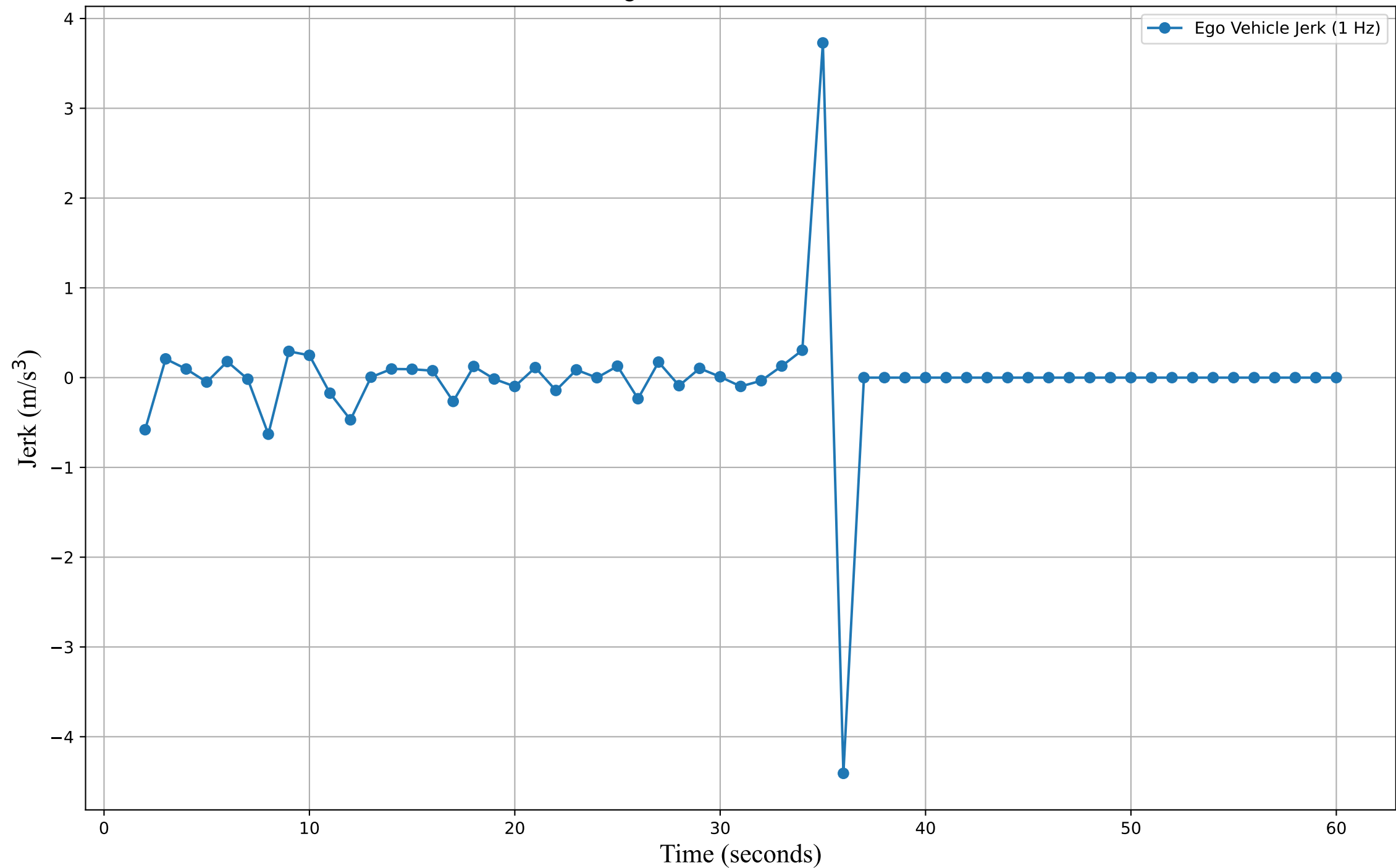


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

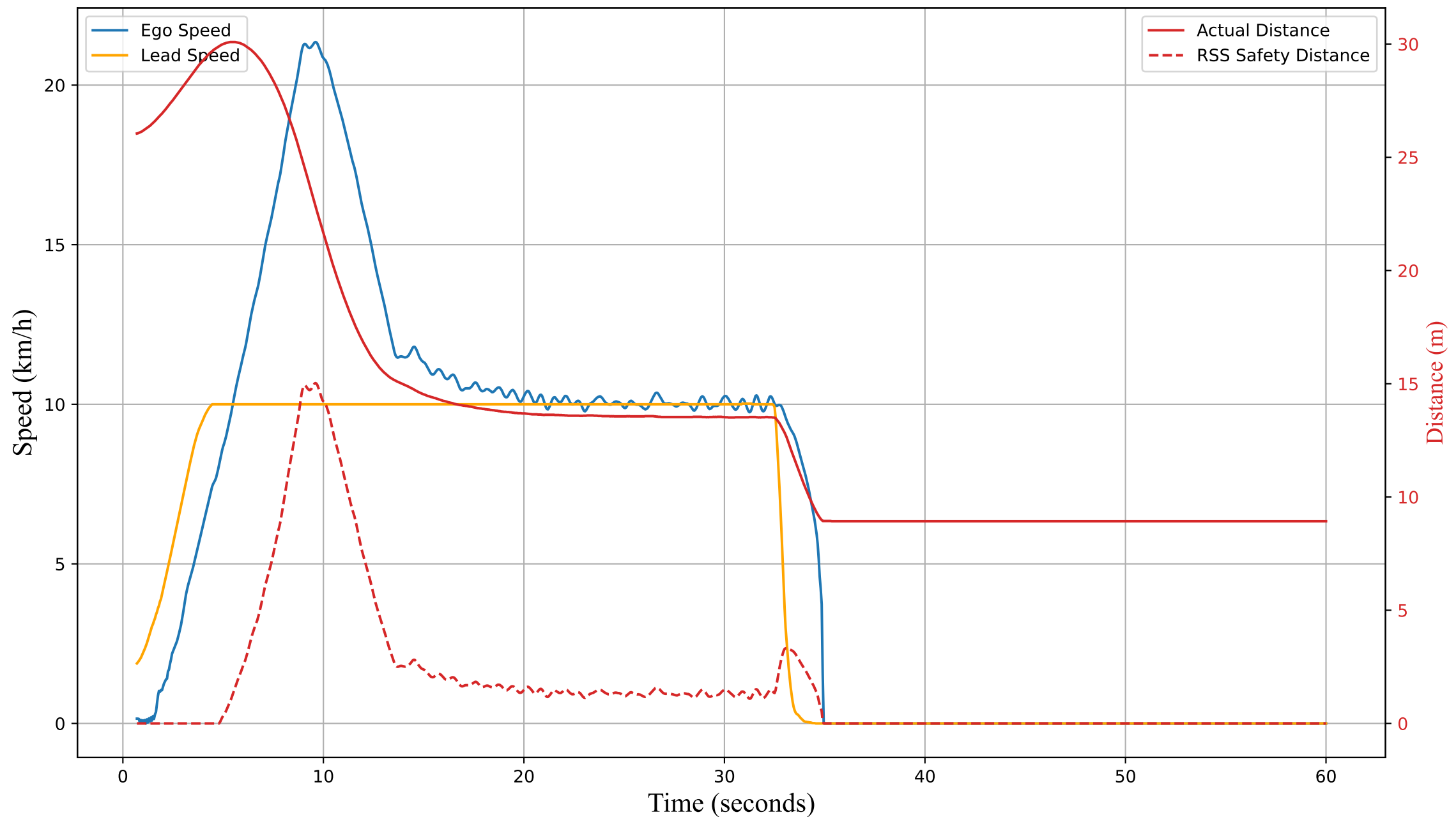


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

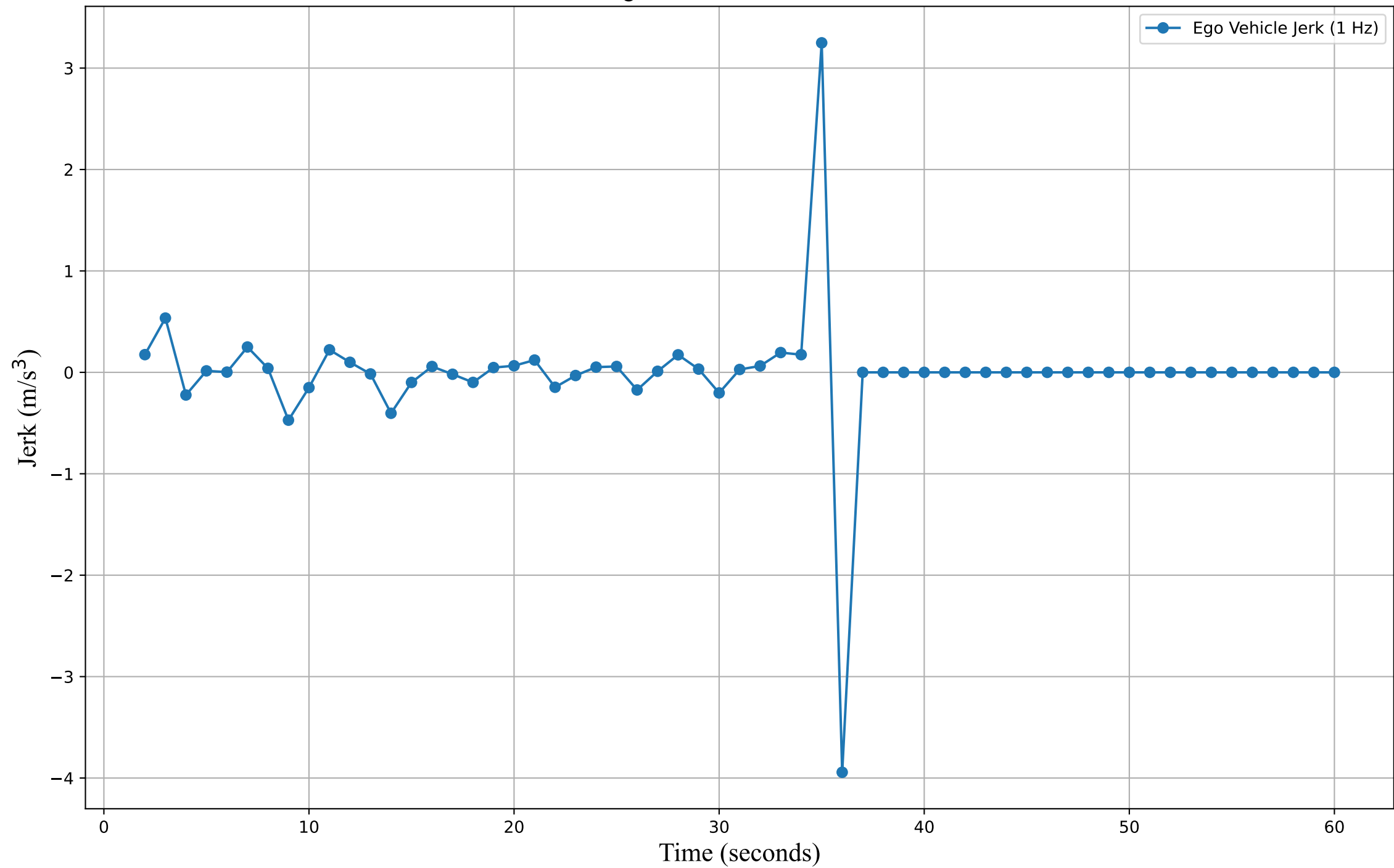


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

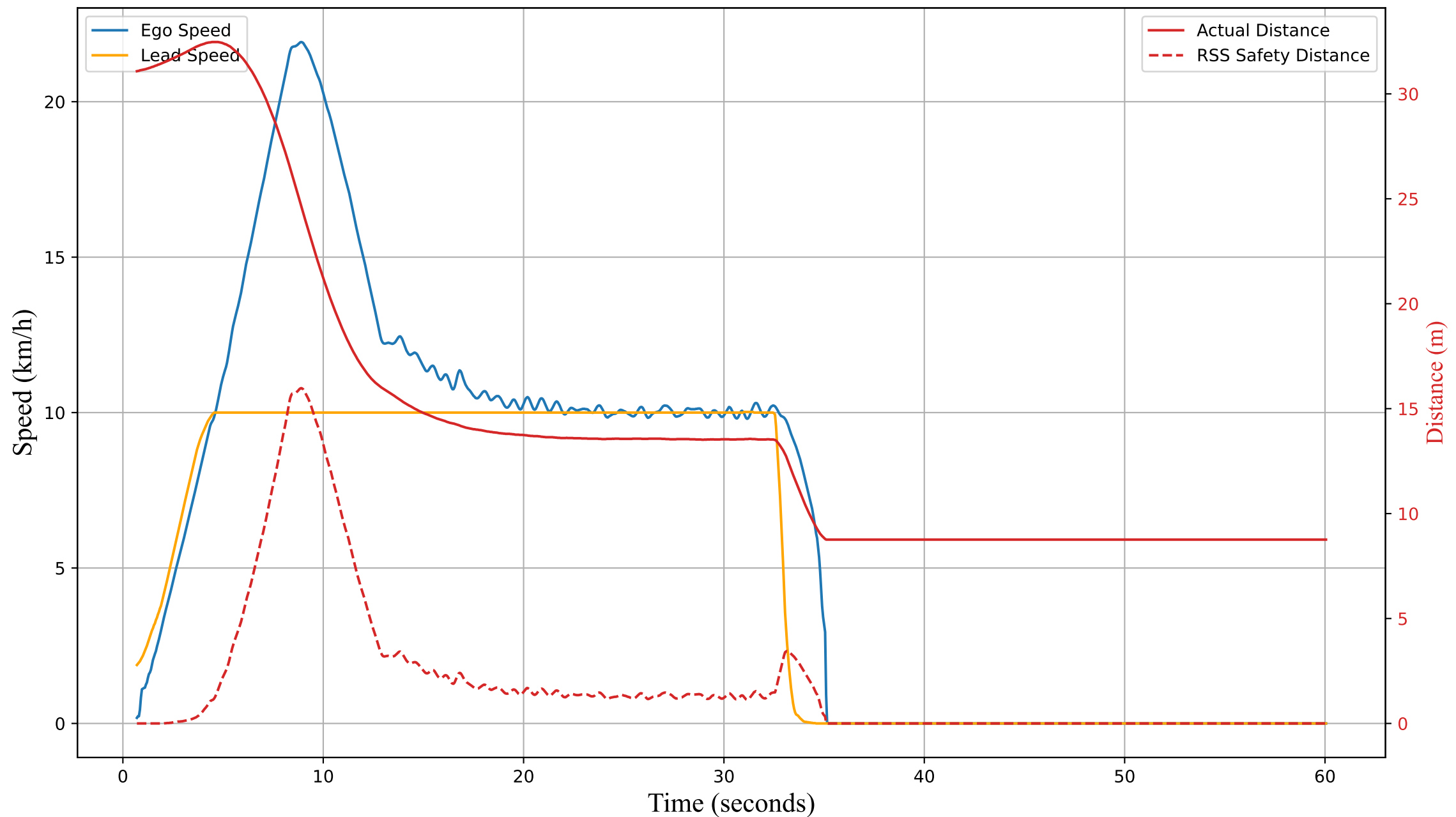


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m

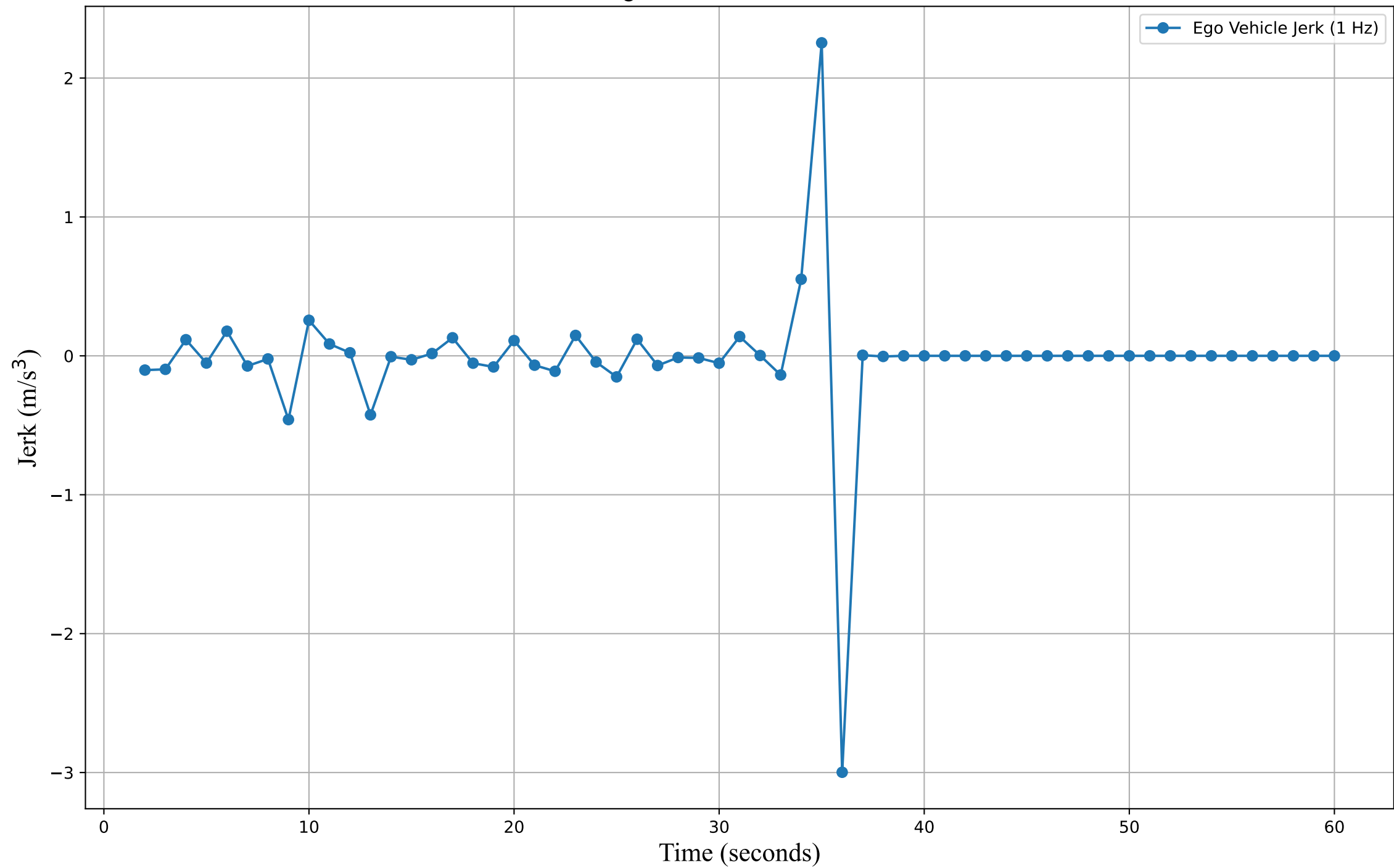
Ego Vehicle Jerk Over Time



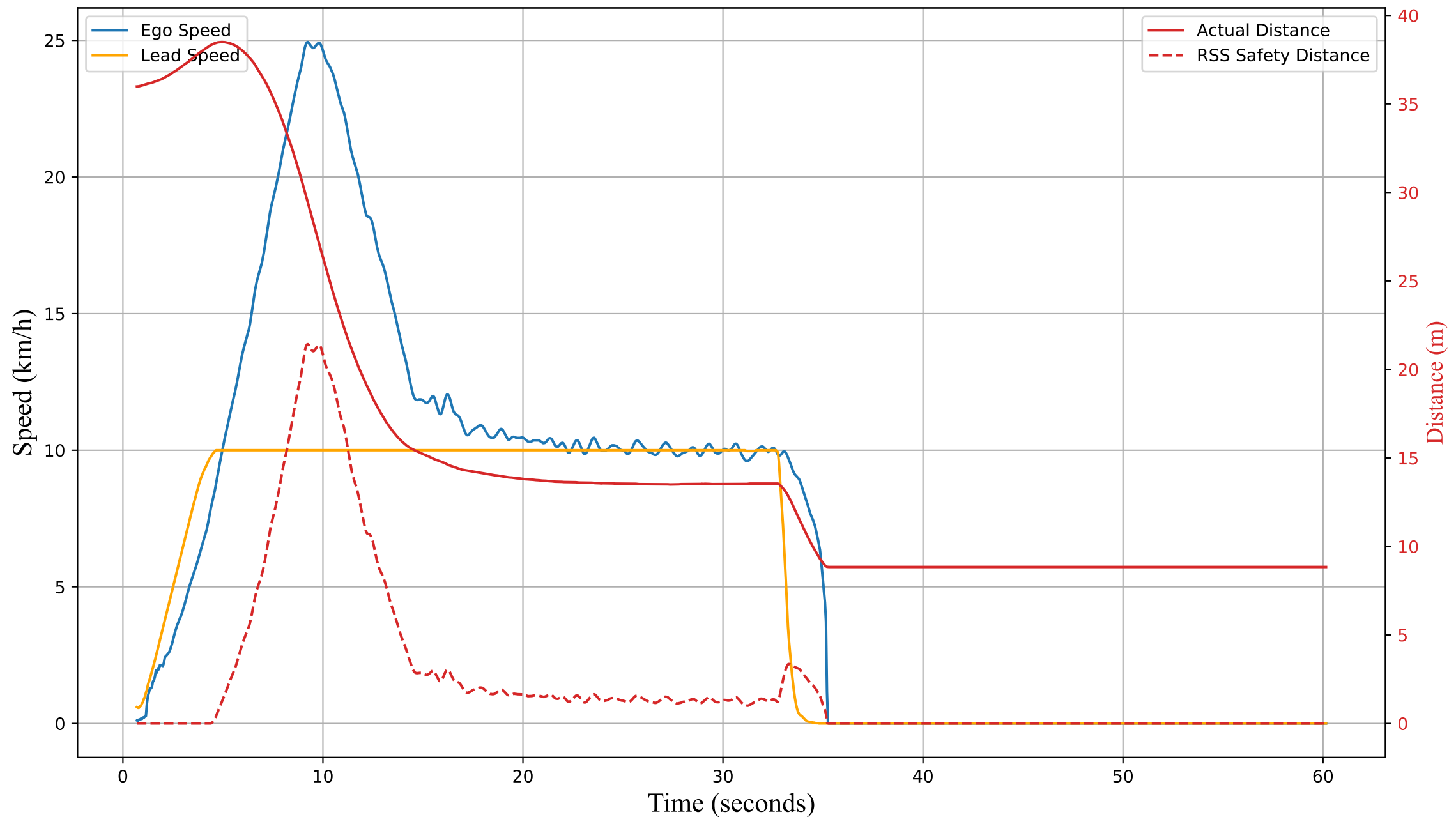
Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m
Ego Vehicle Jerk Over Time

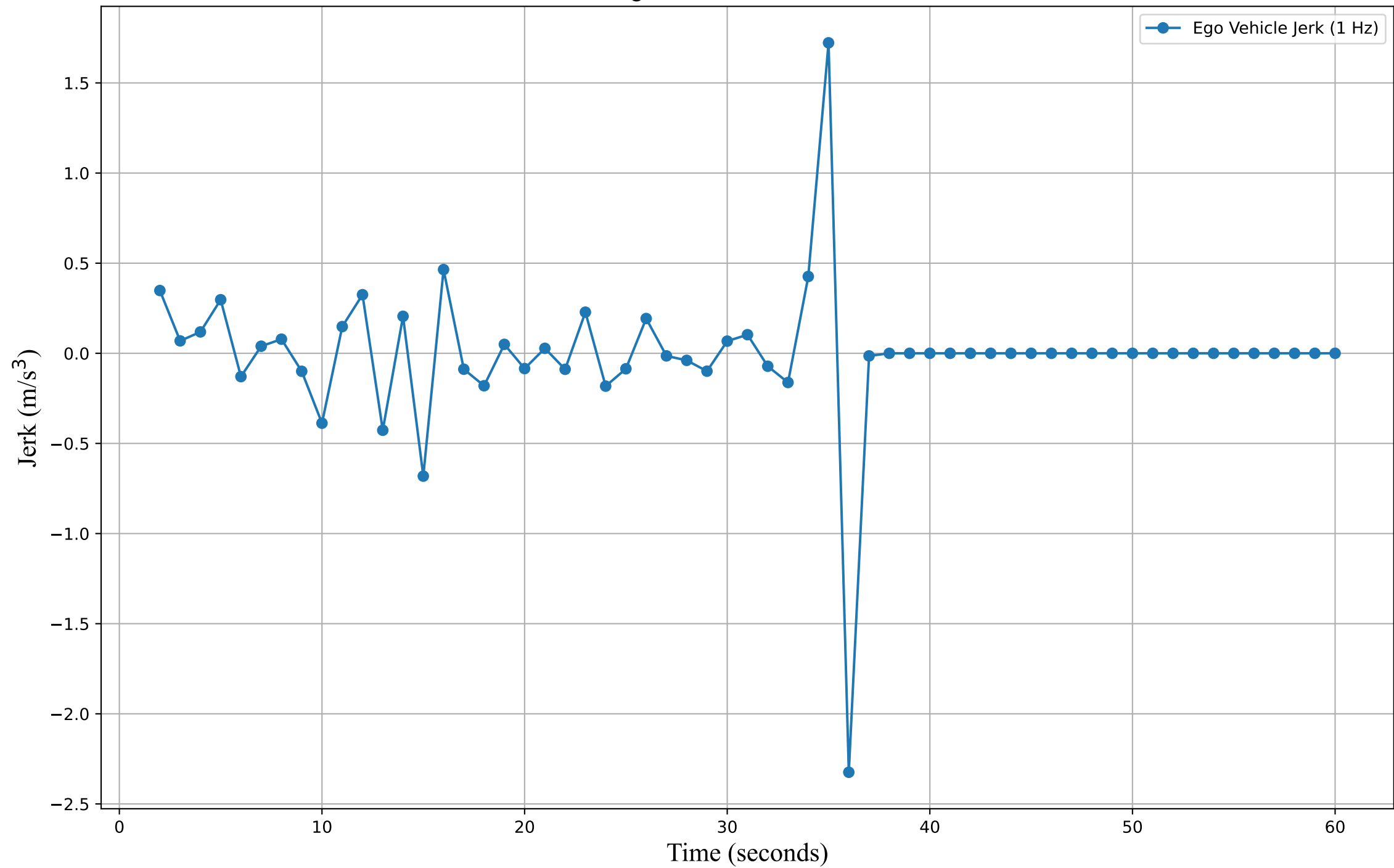


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

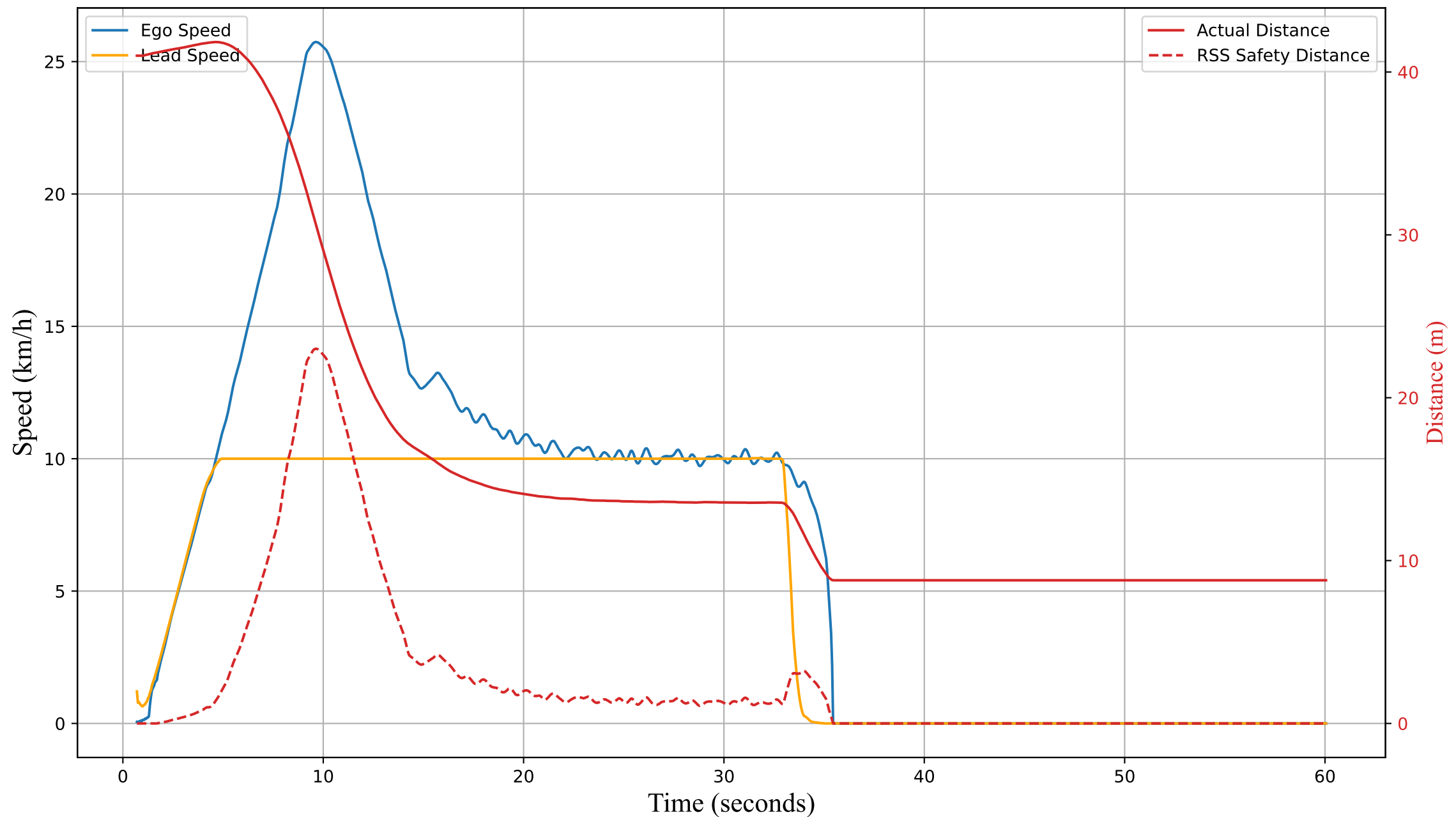


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m

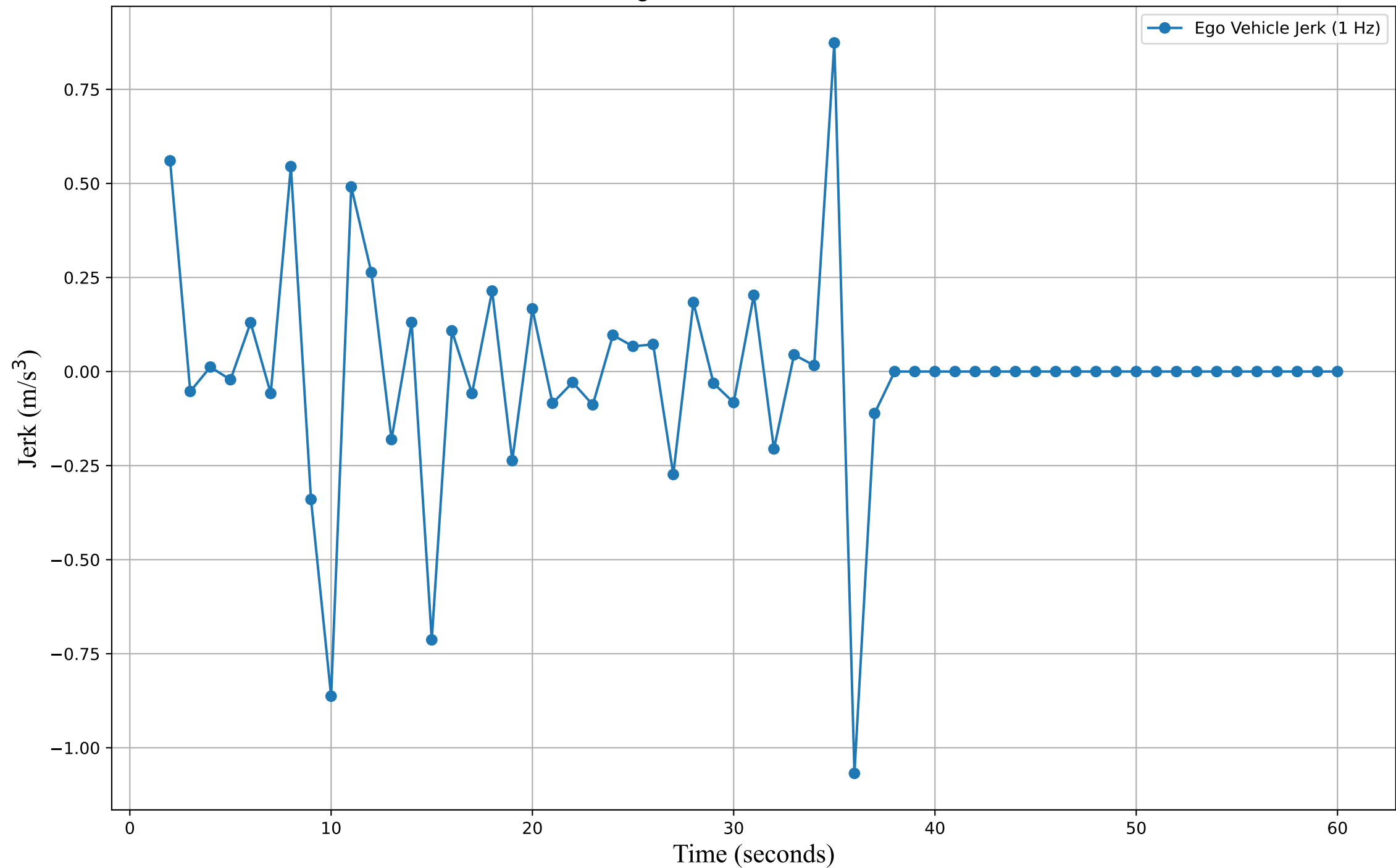
Ego Vehicle Jerk Over Time



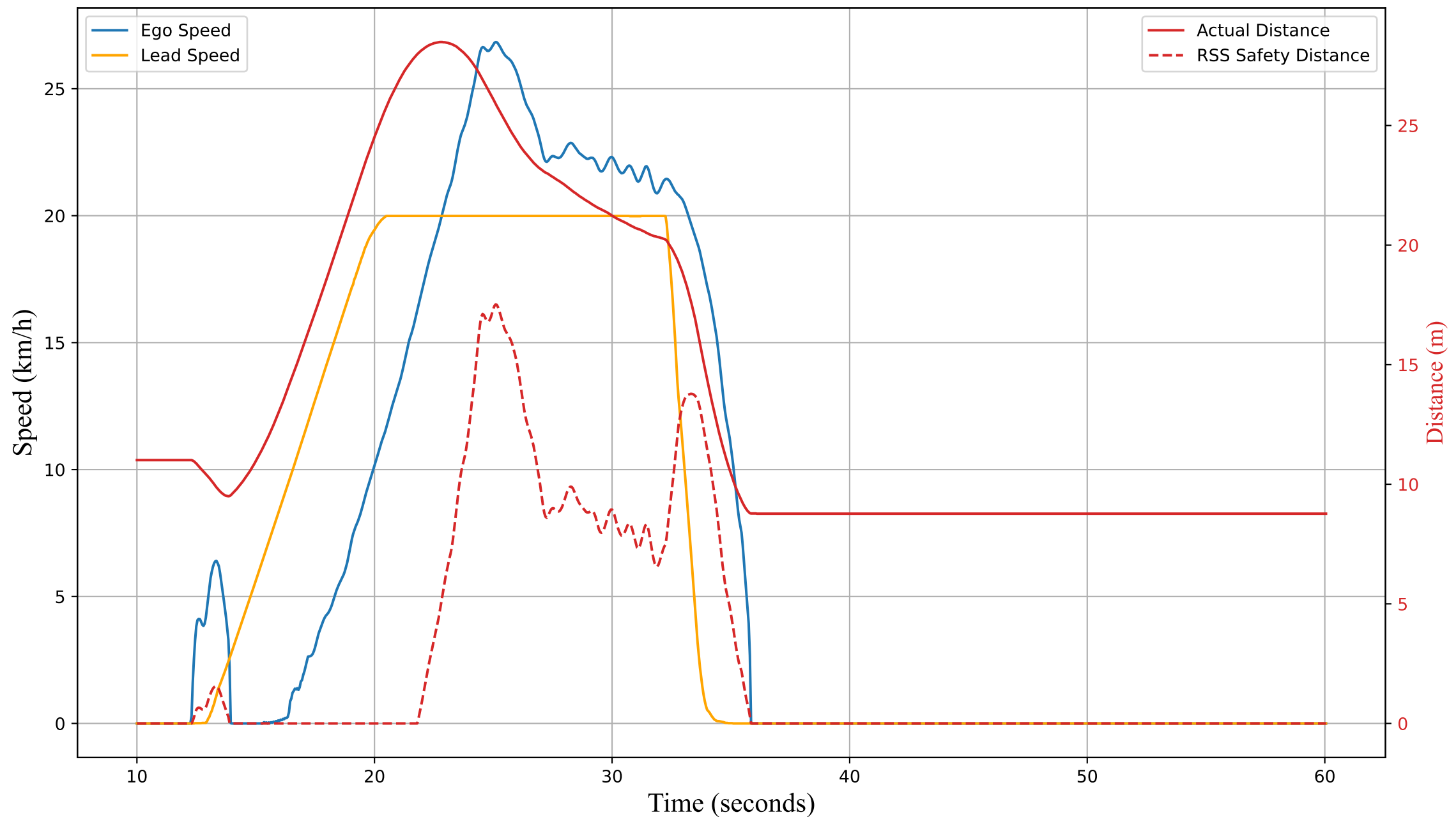
Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m
Ego Vehicle Jerk Over Time

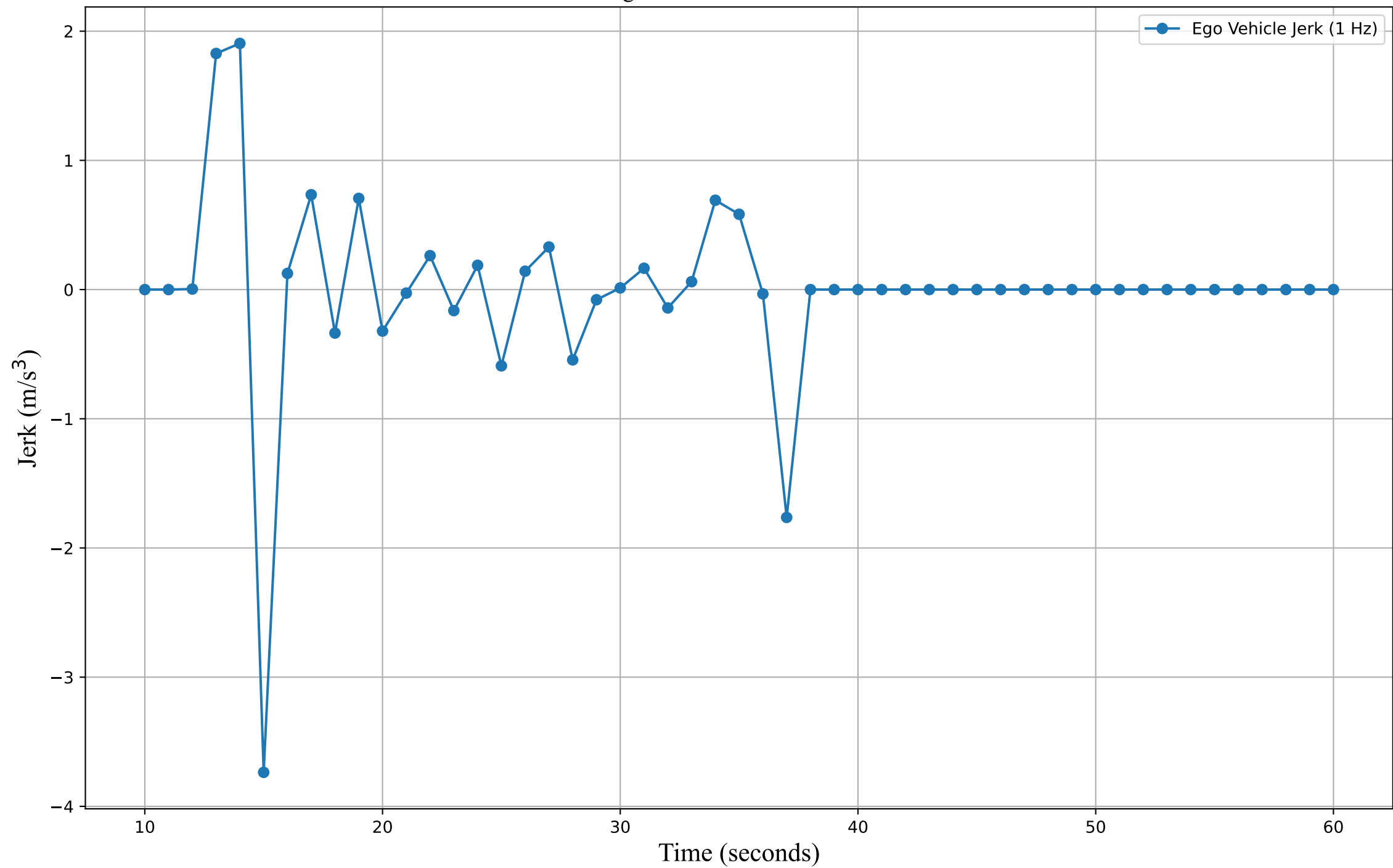


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

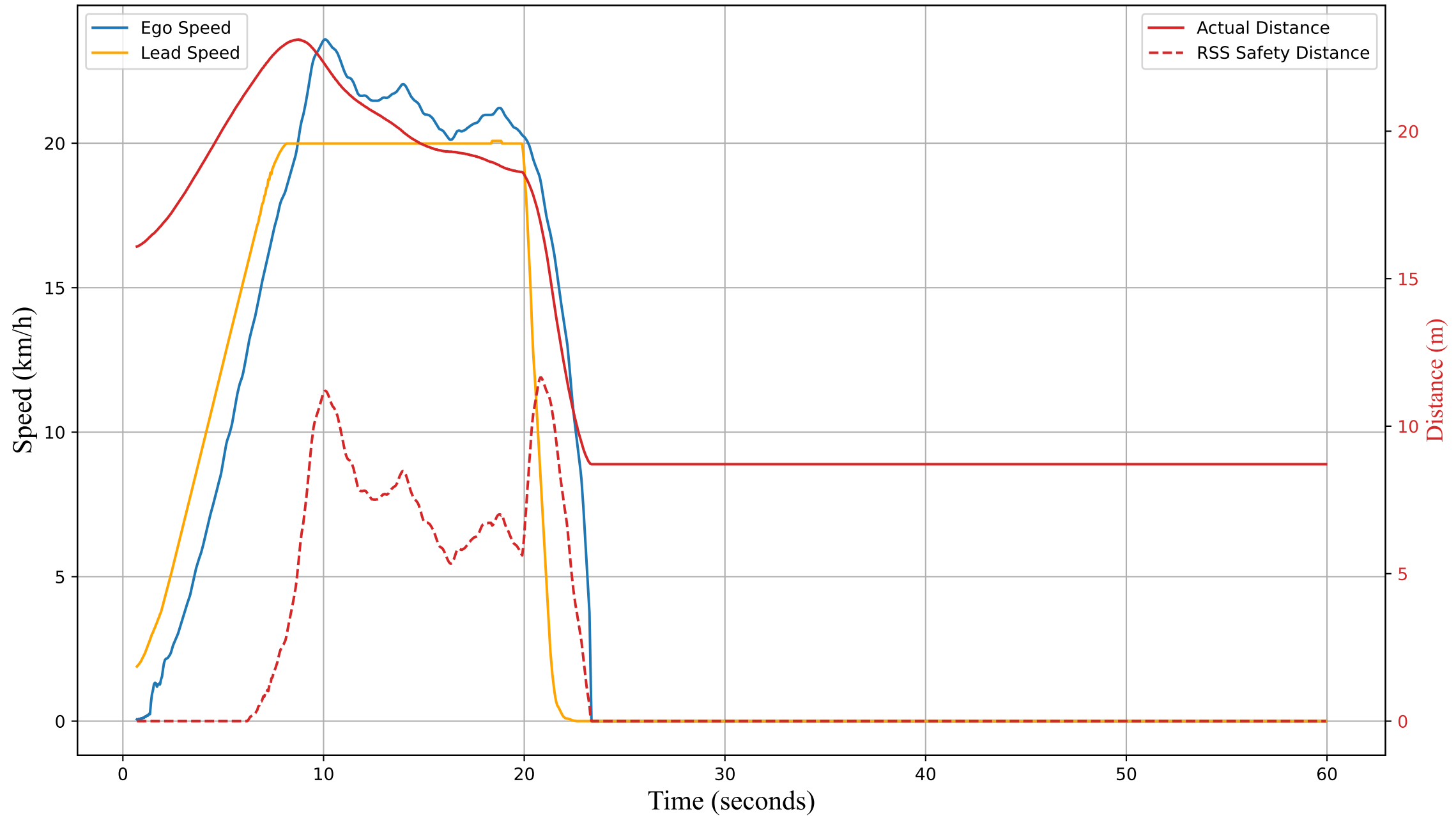


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

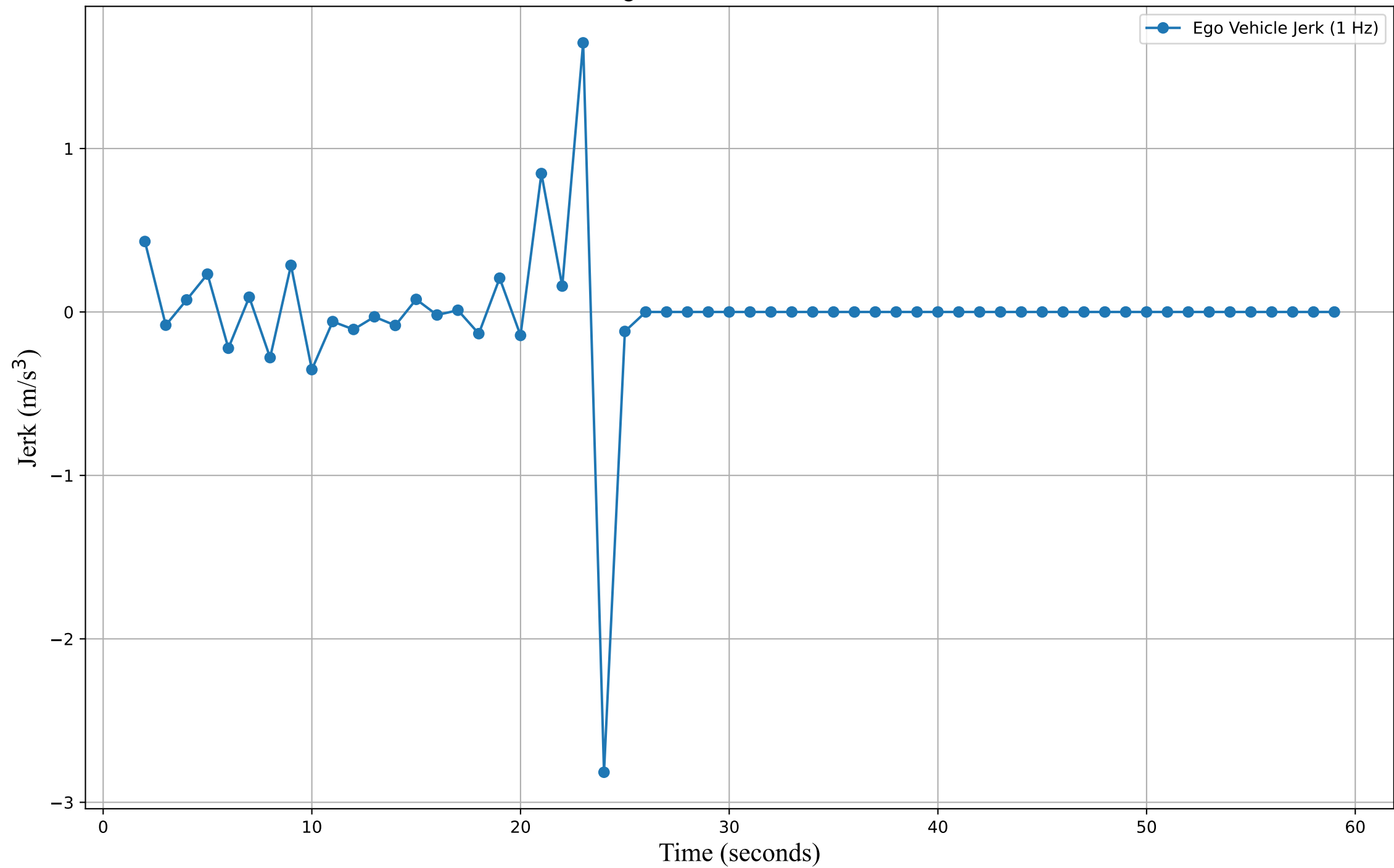


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

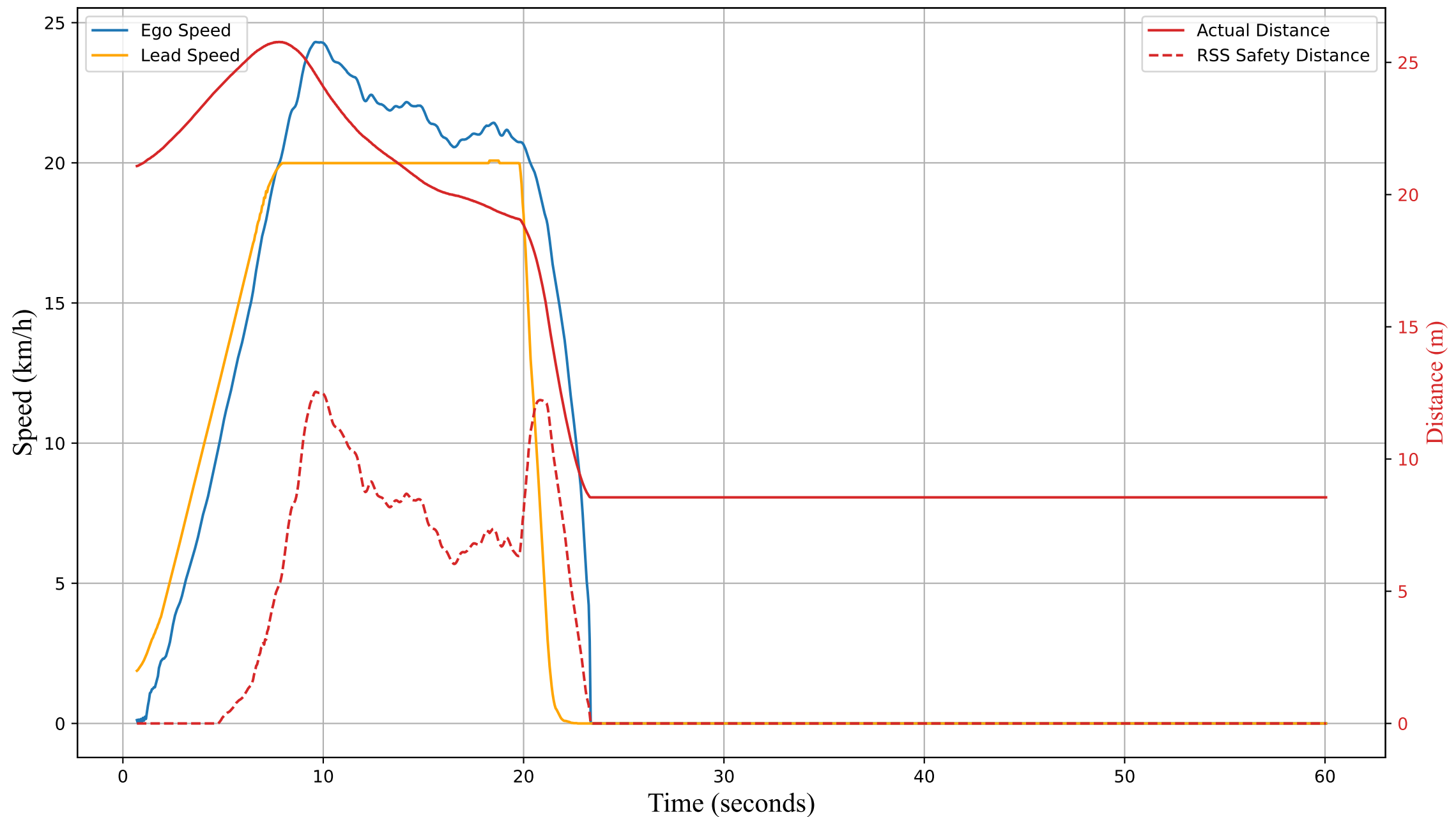


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

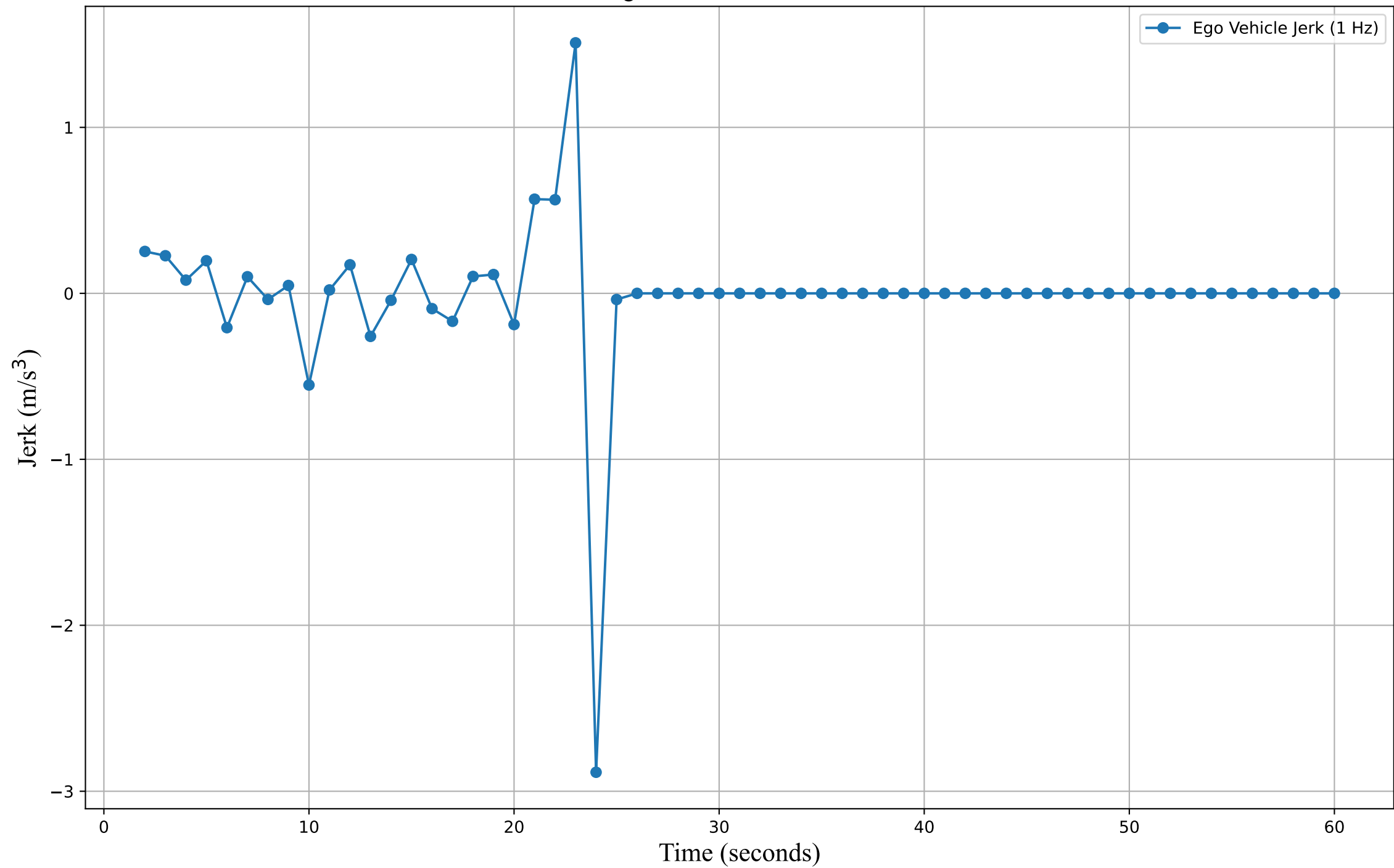


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

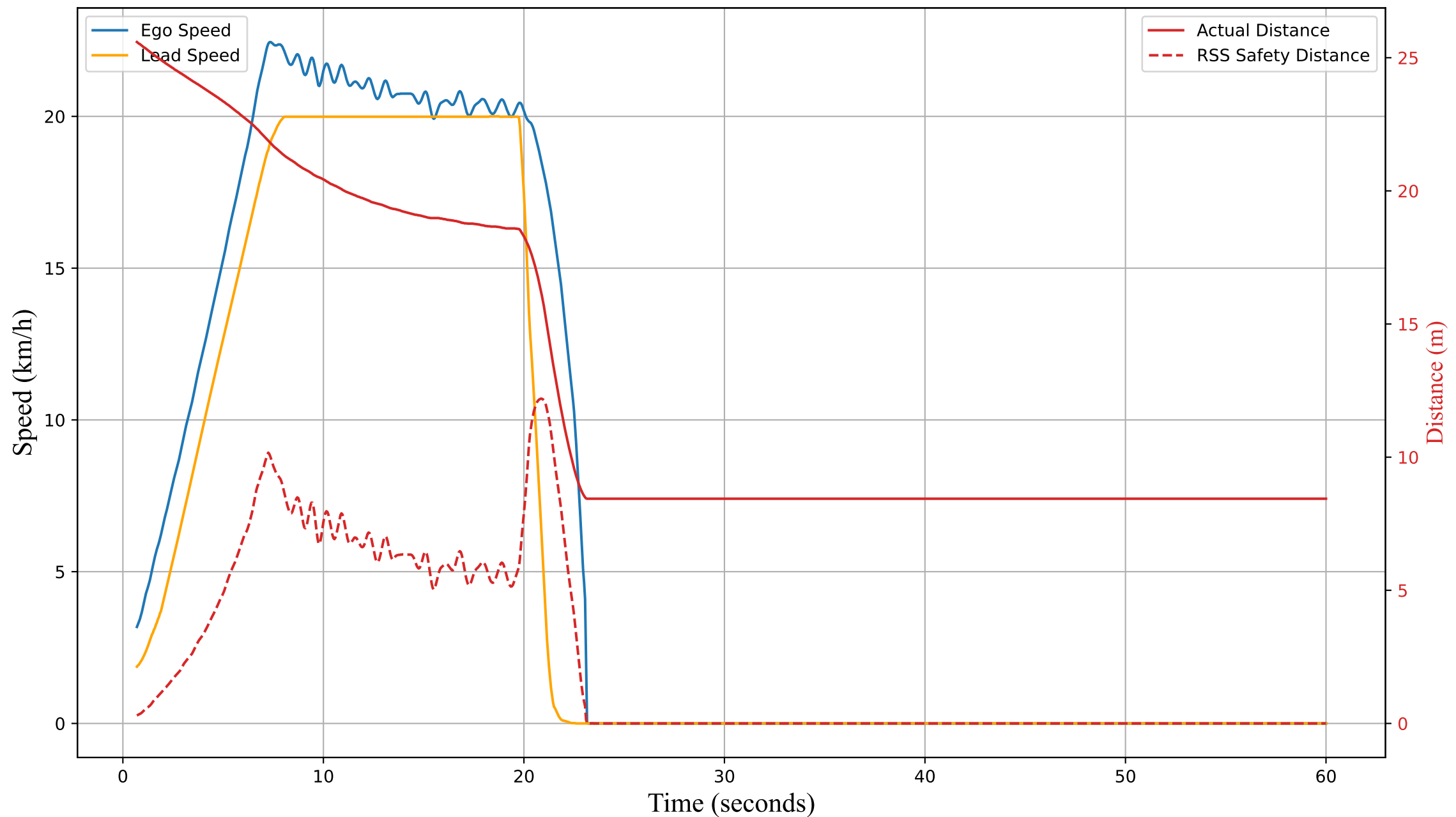


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

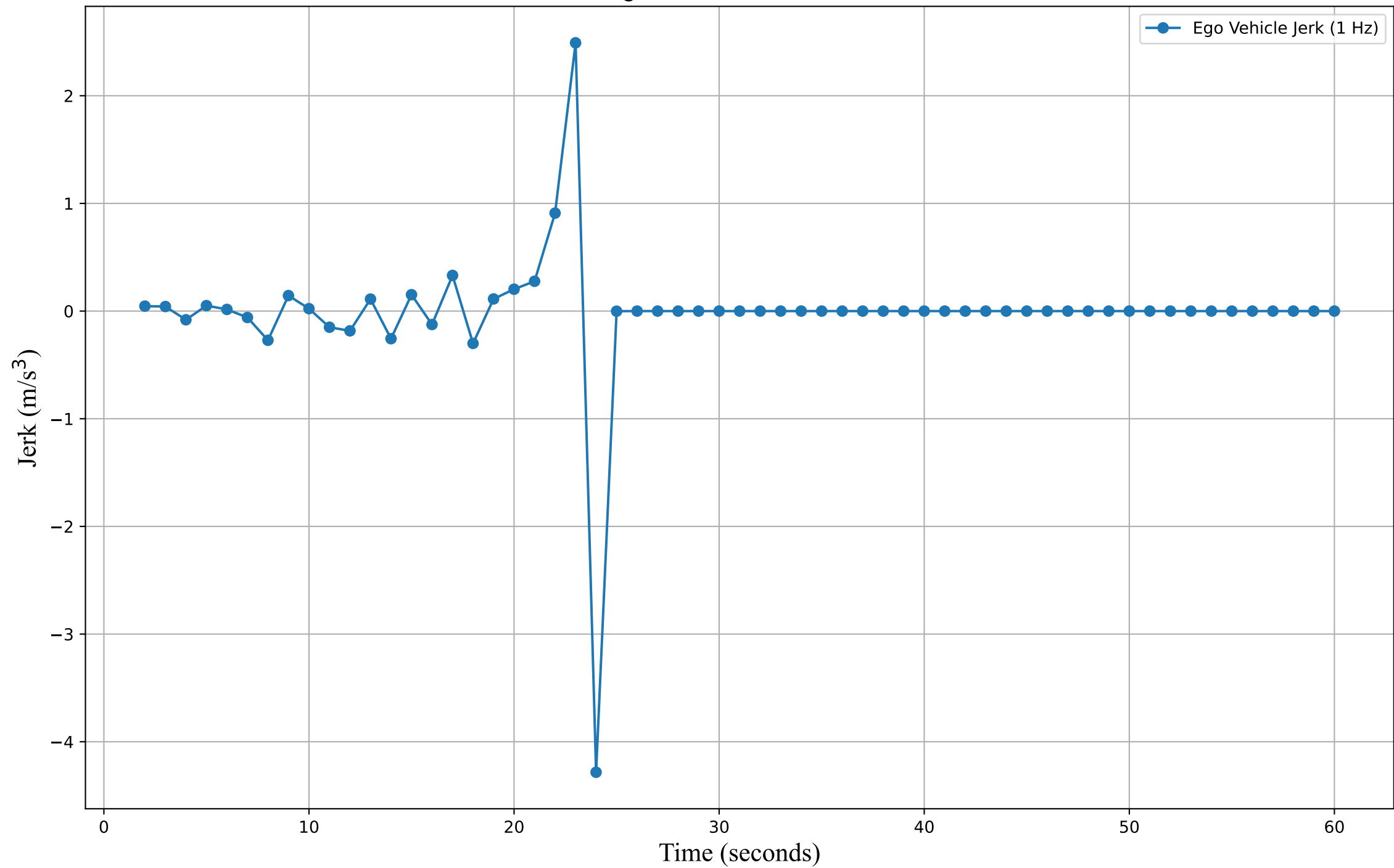


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

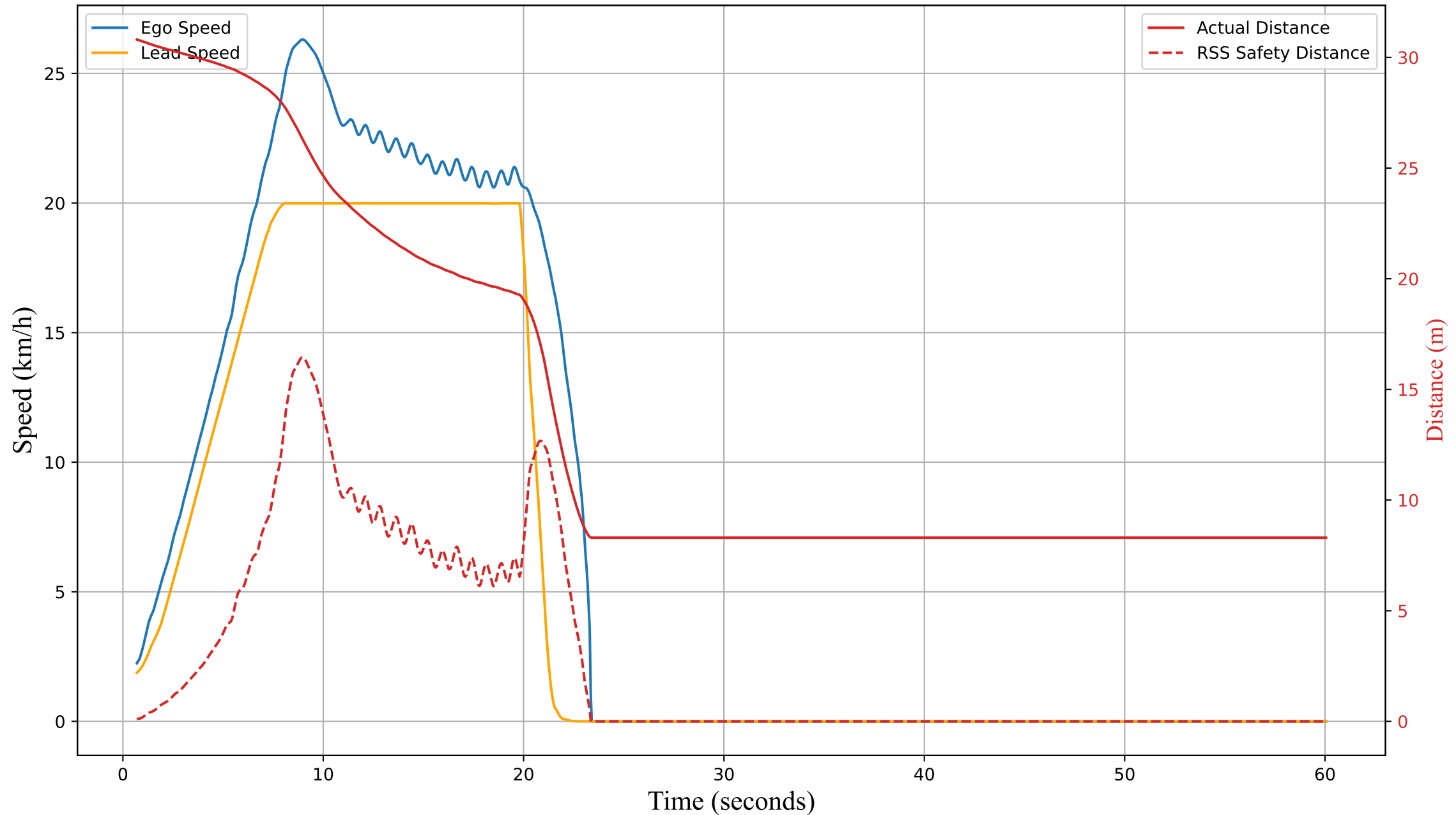


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

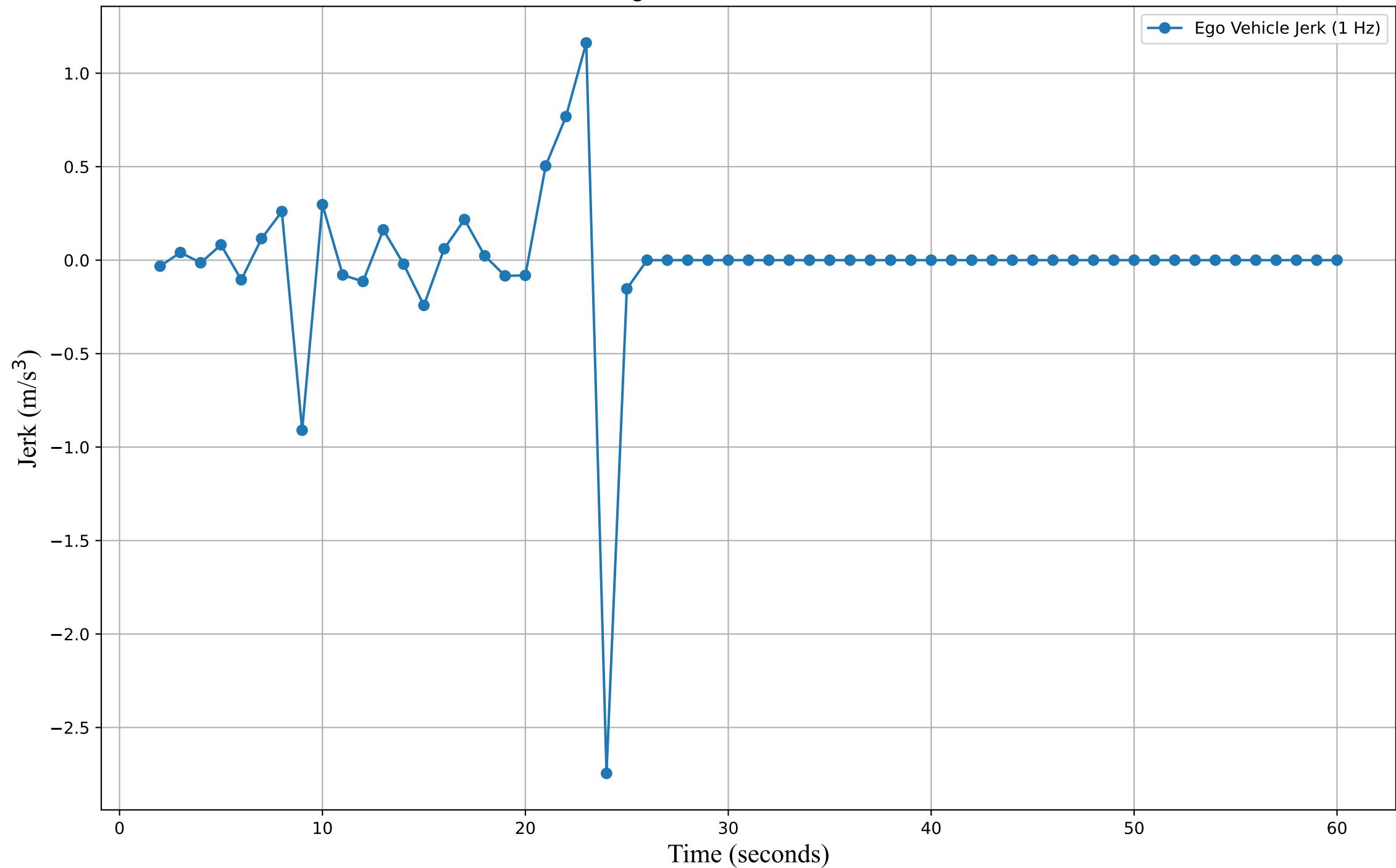


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

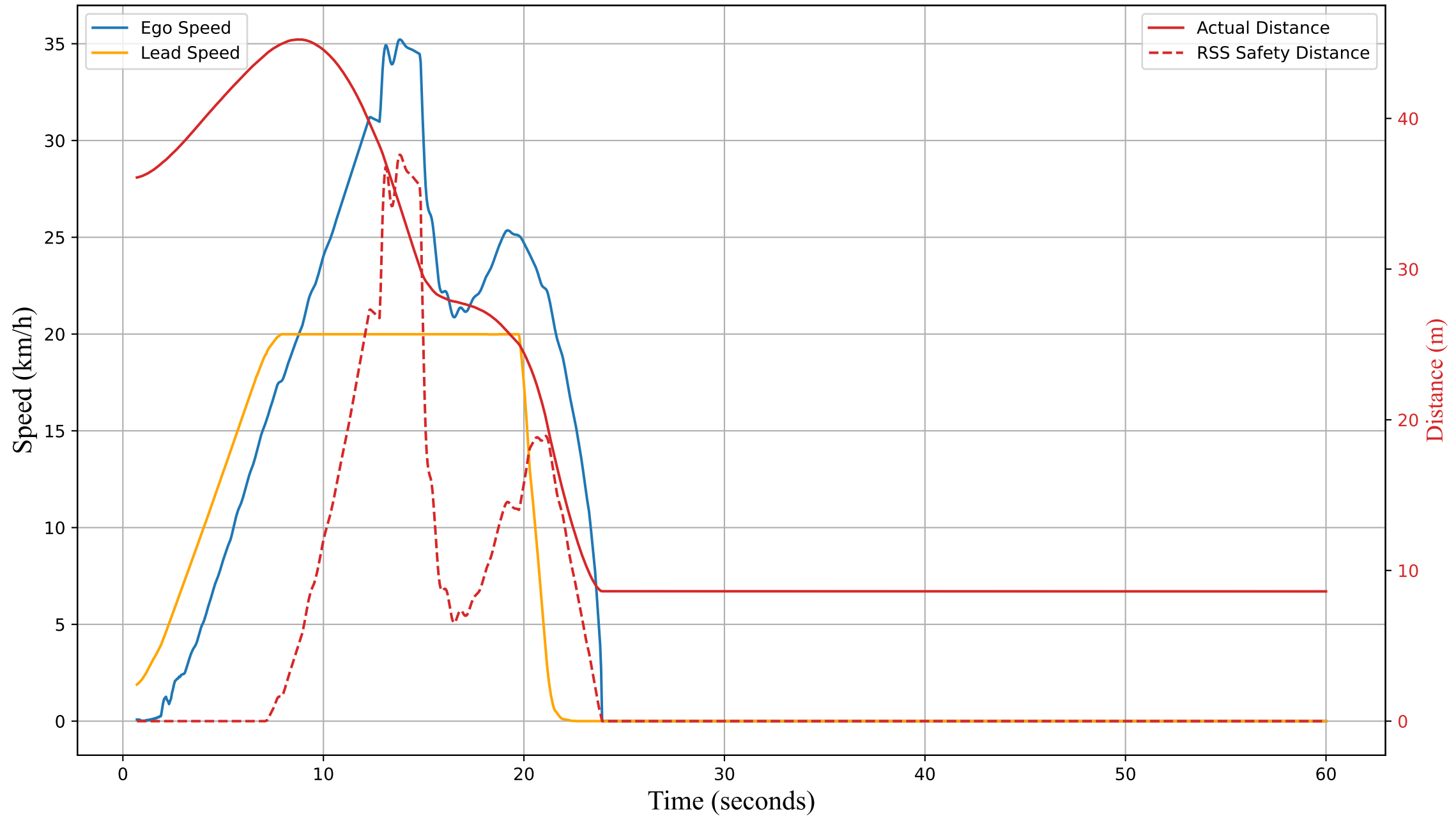


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

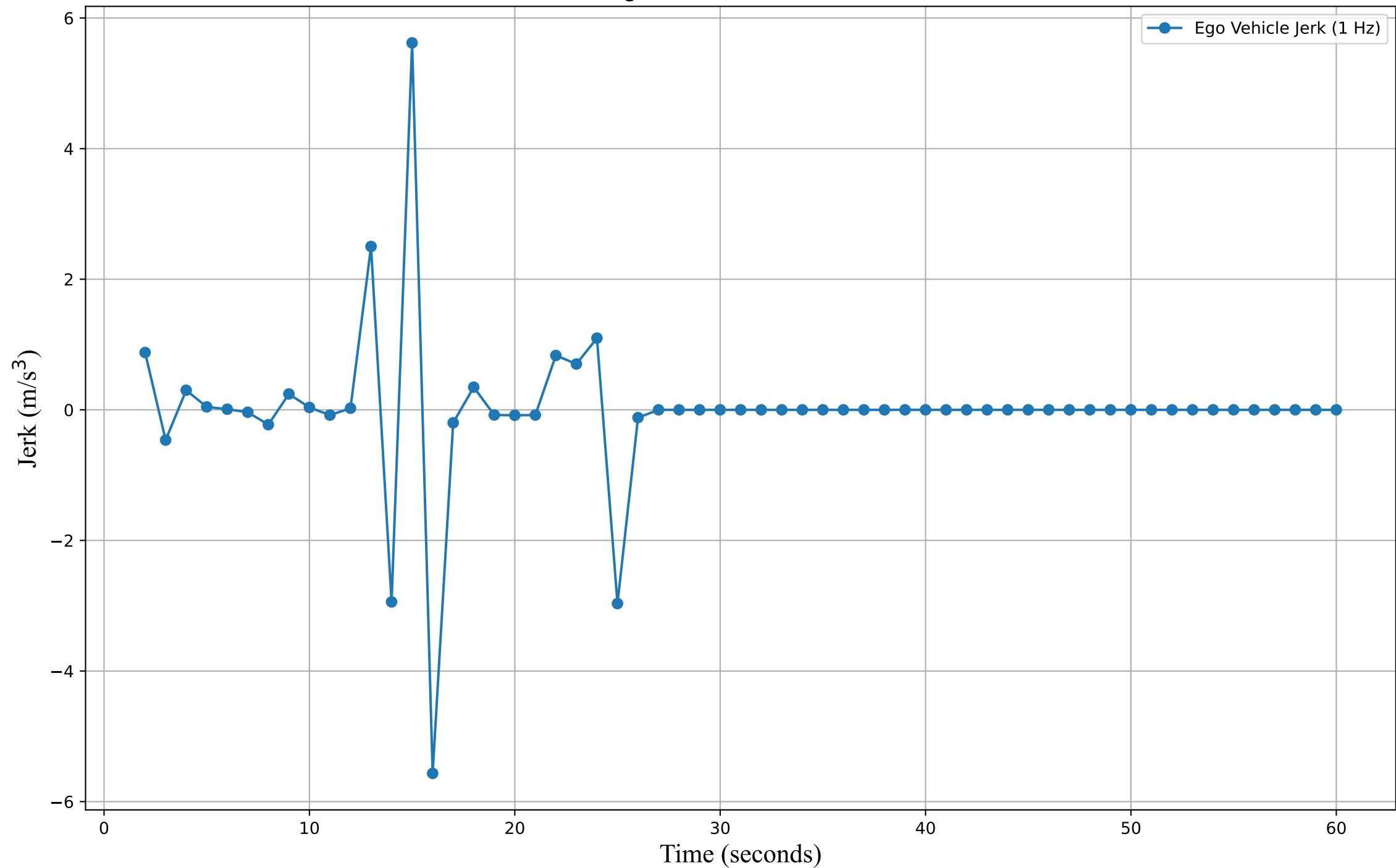


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

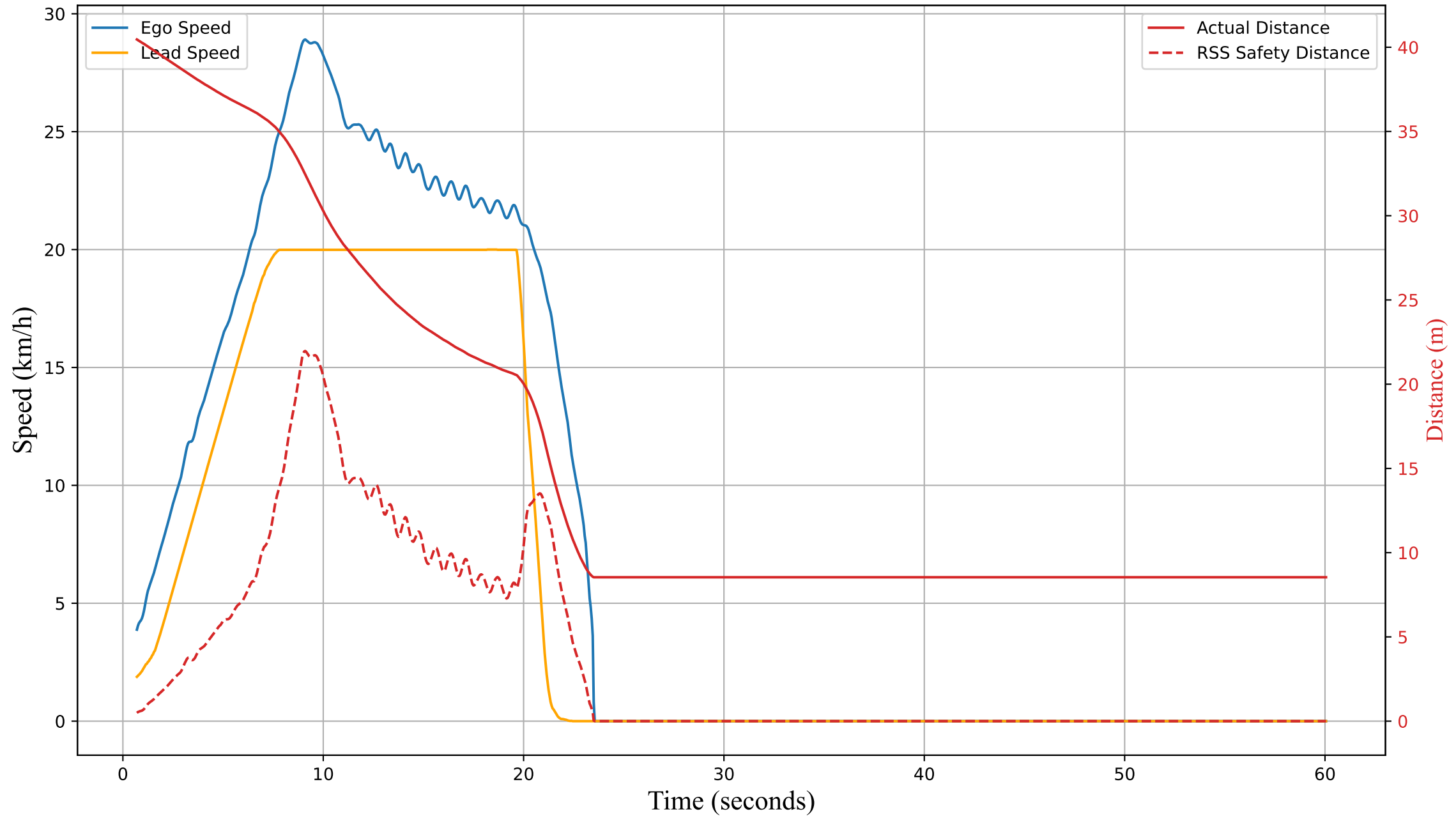


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time

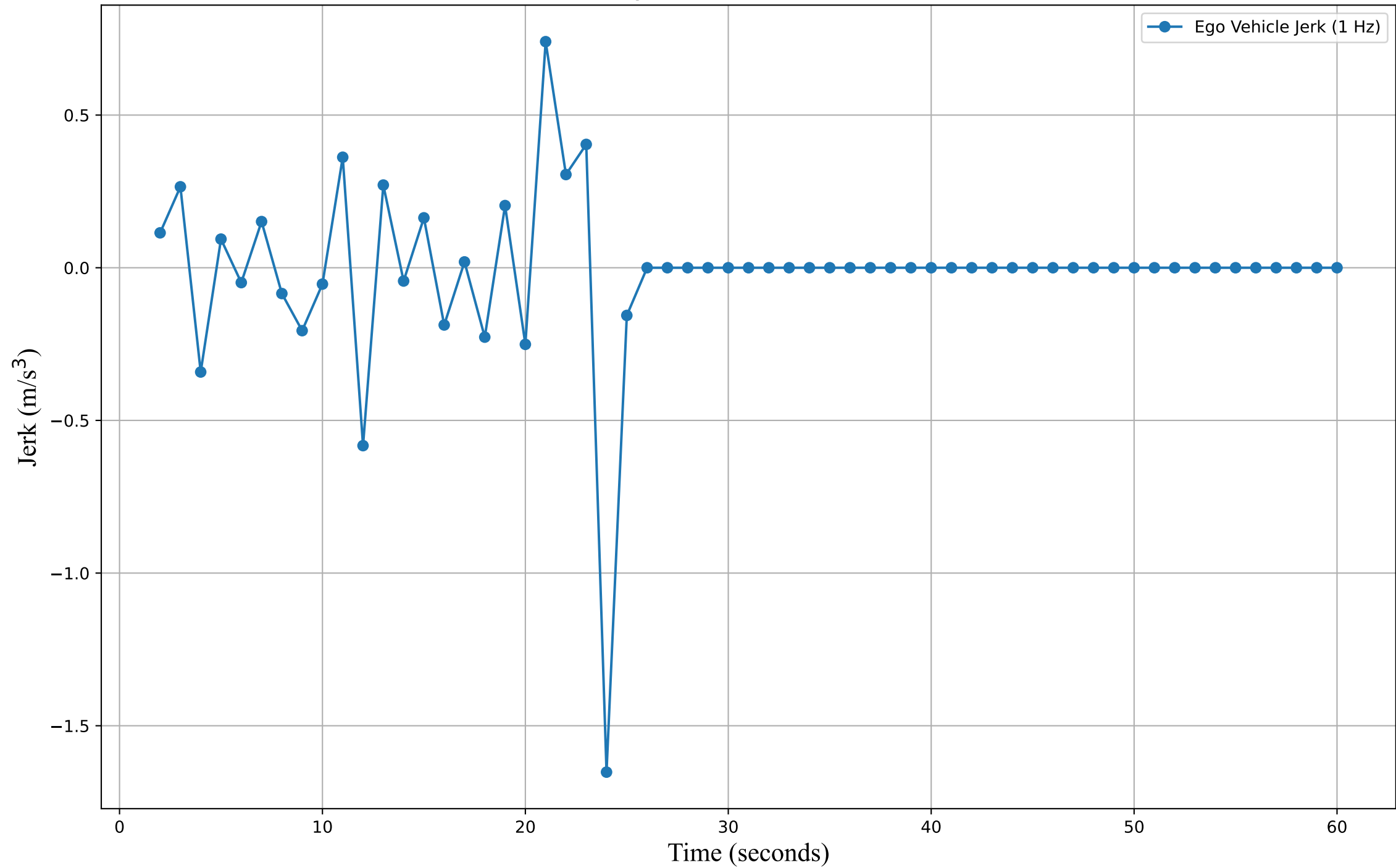


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

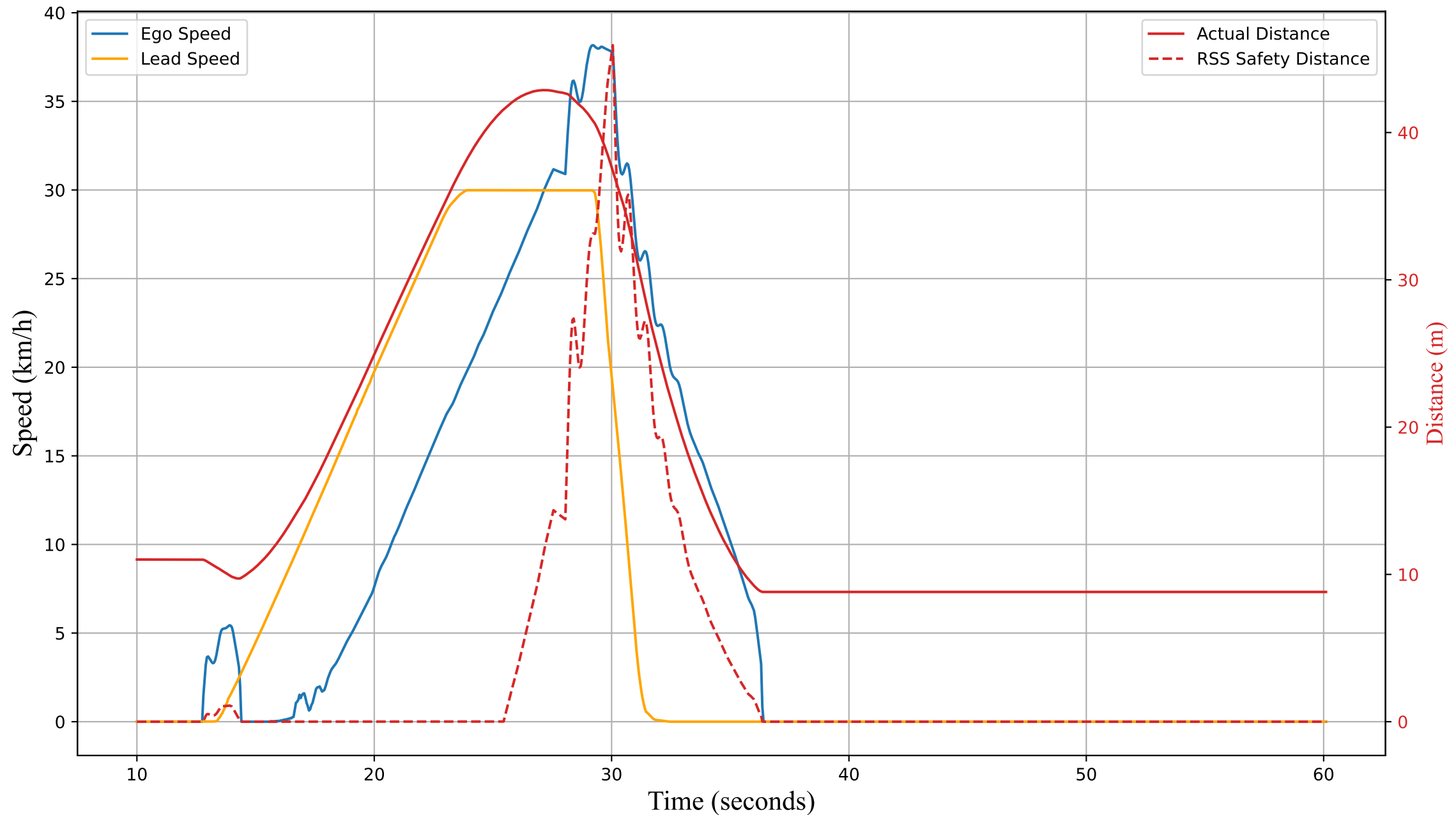


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

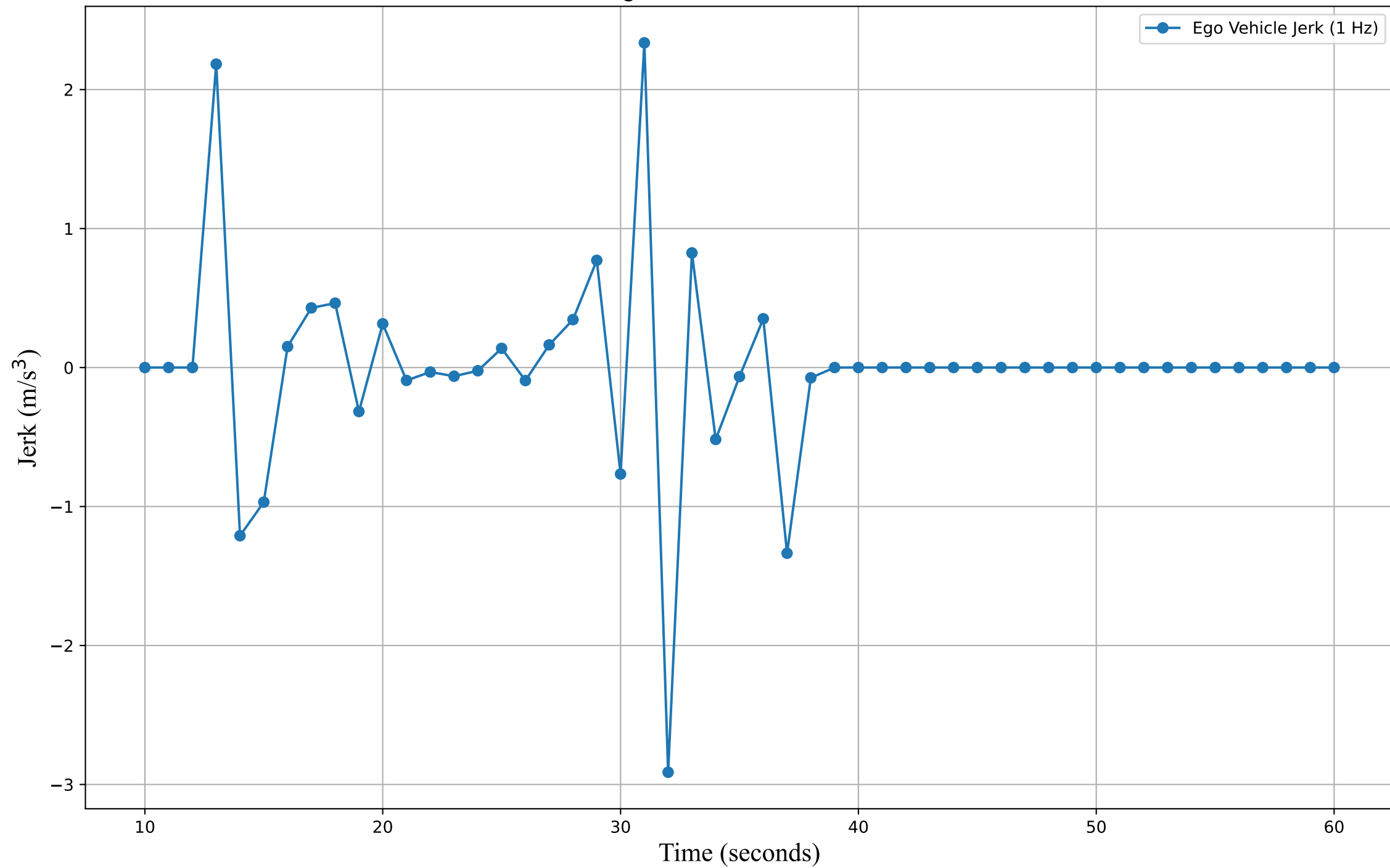


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

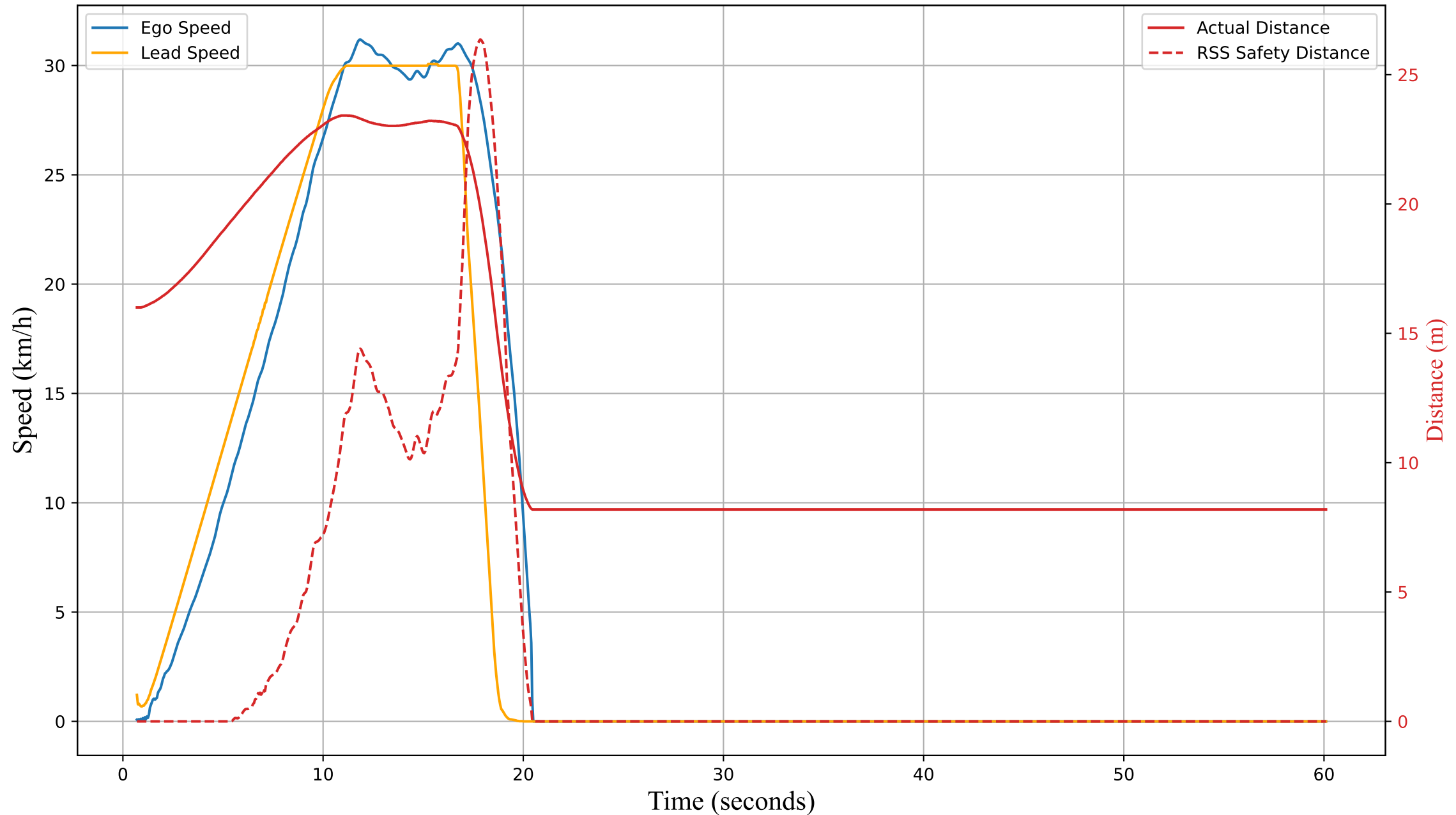


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

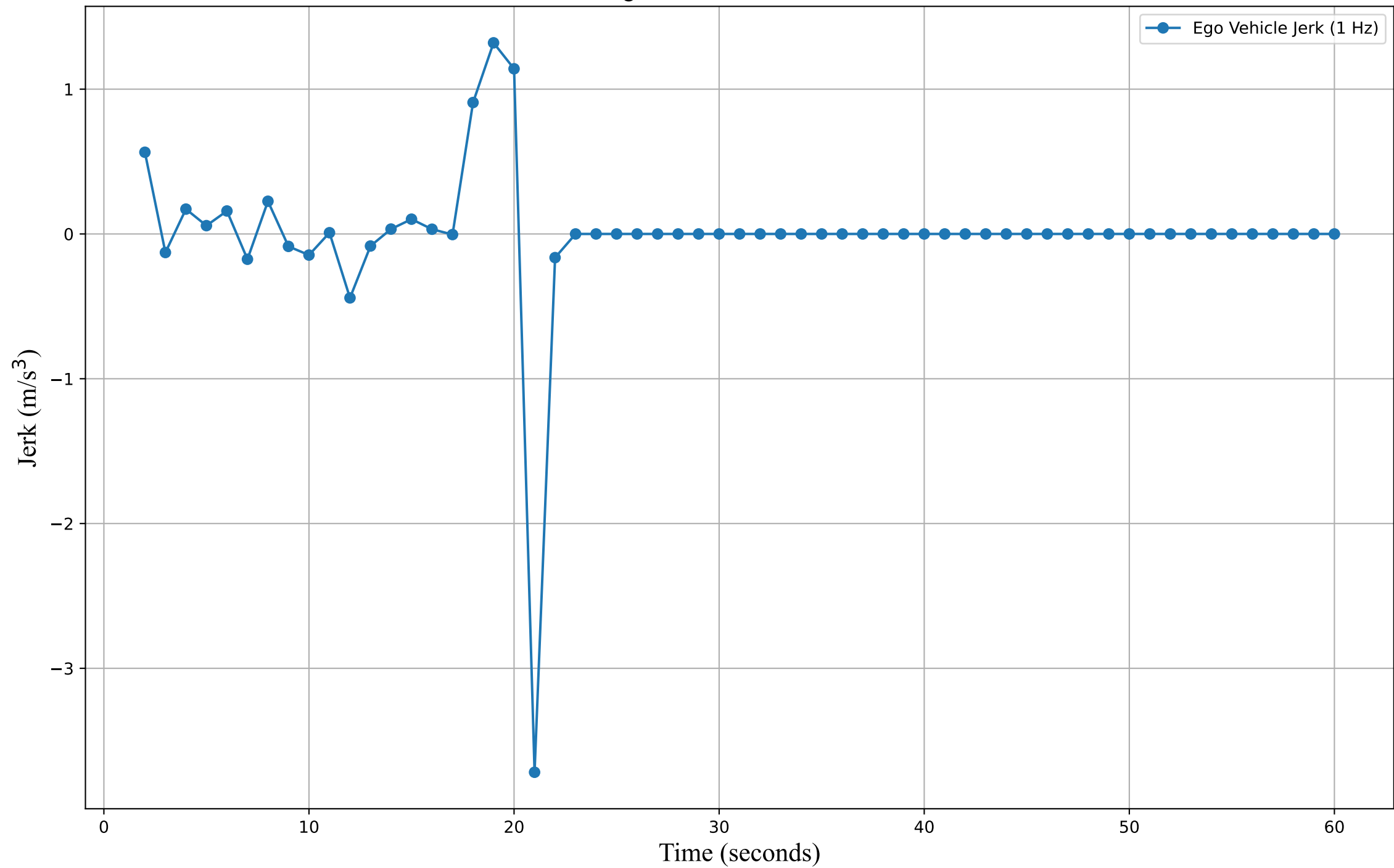


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

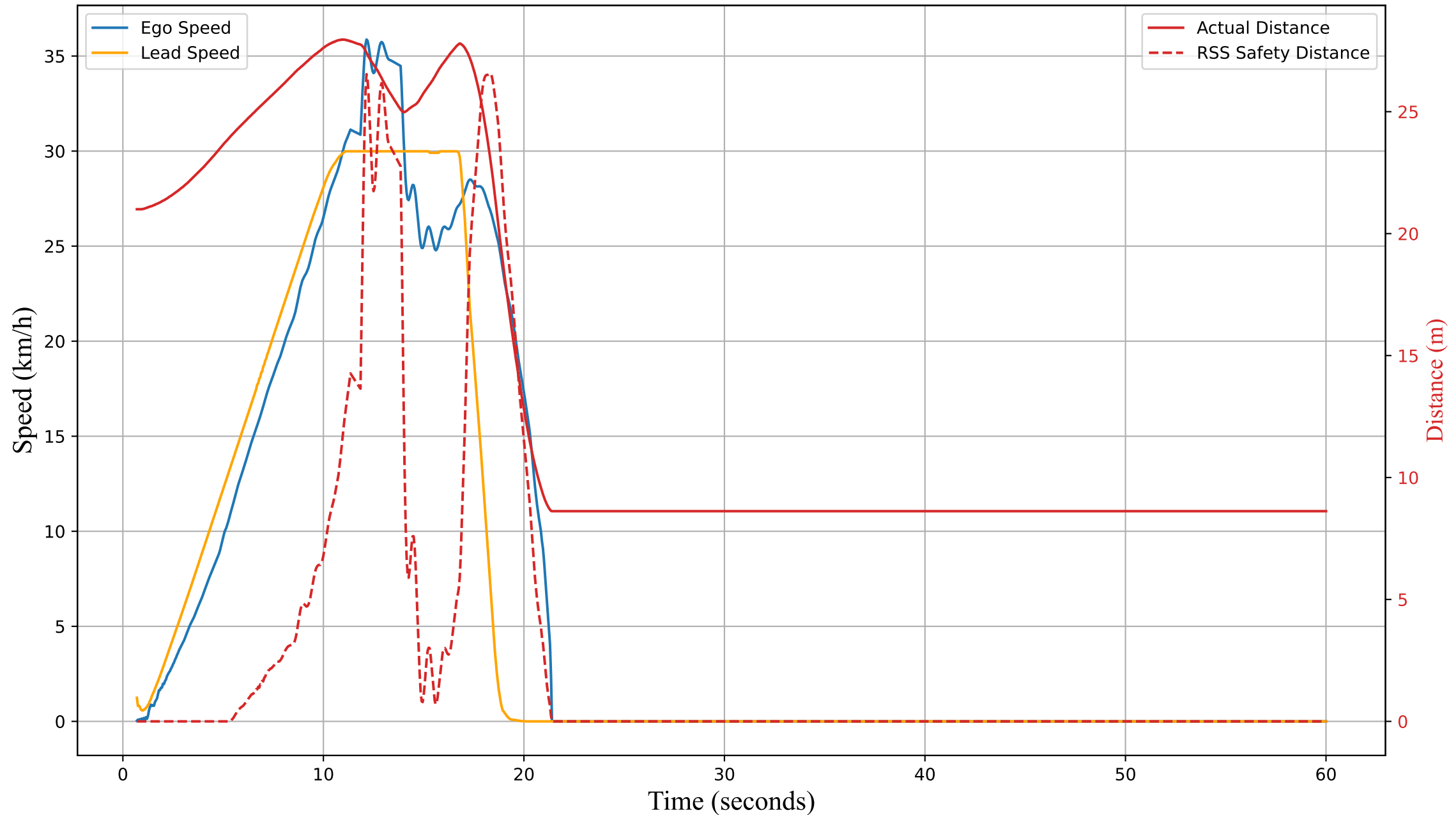


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

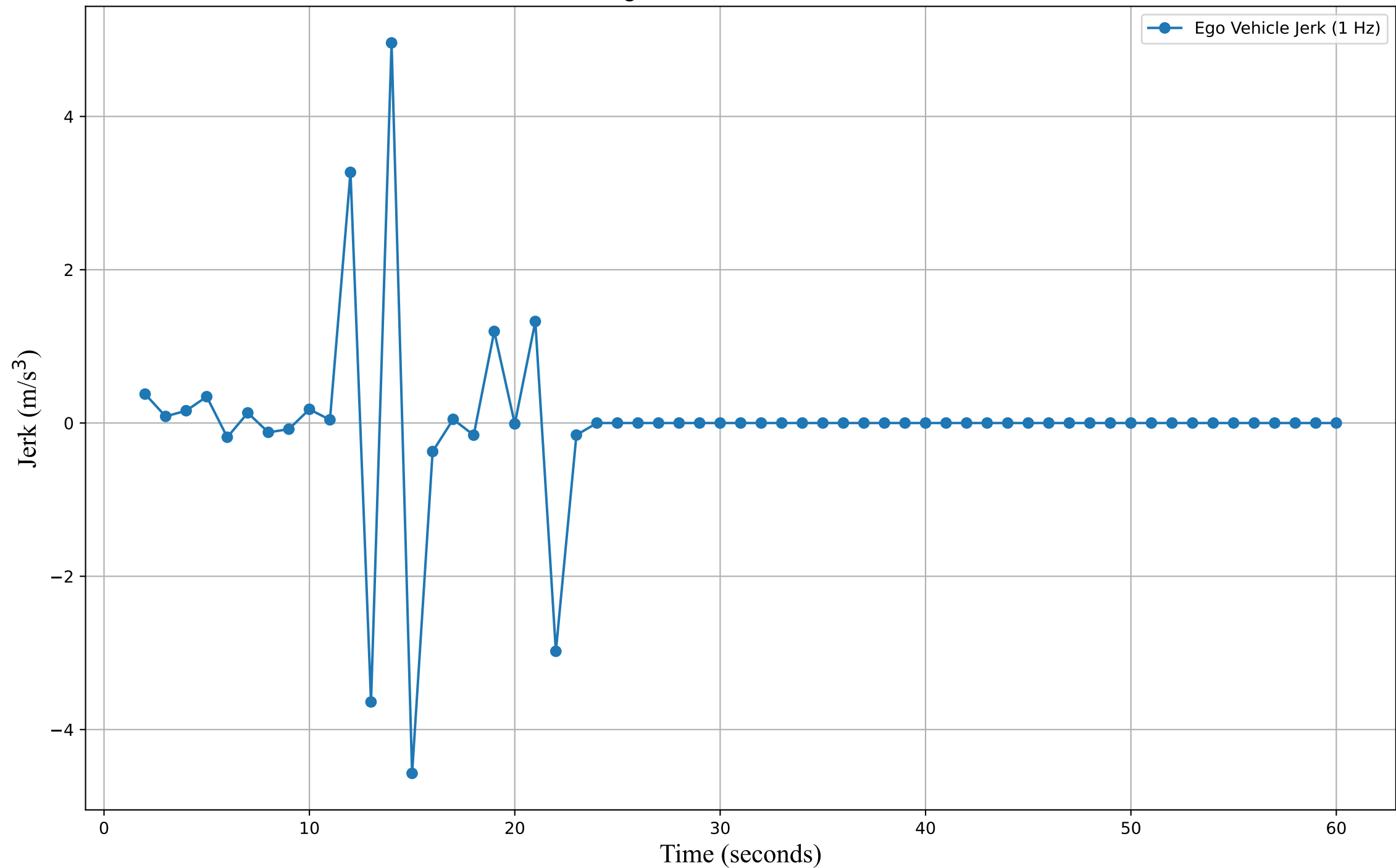


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

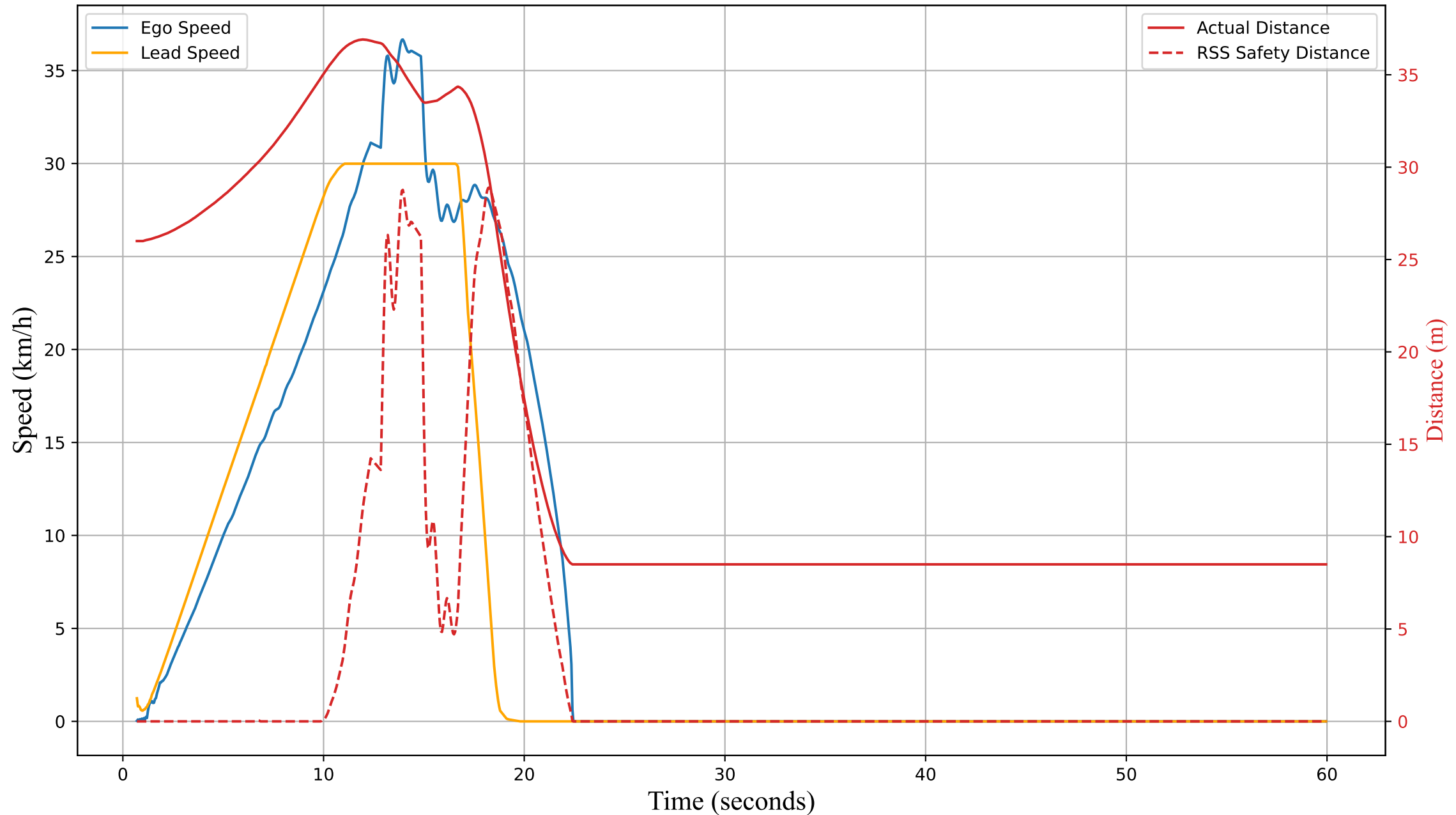


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

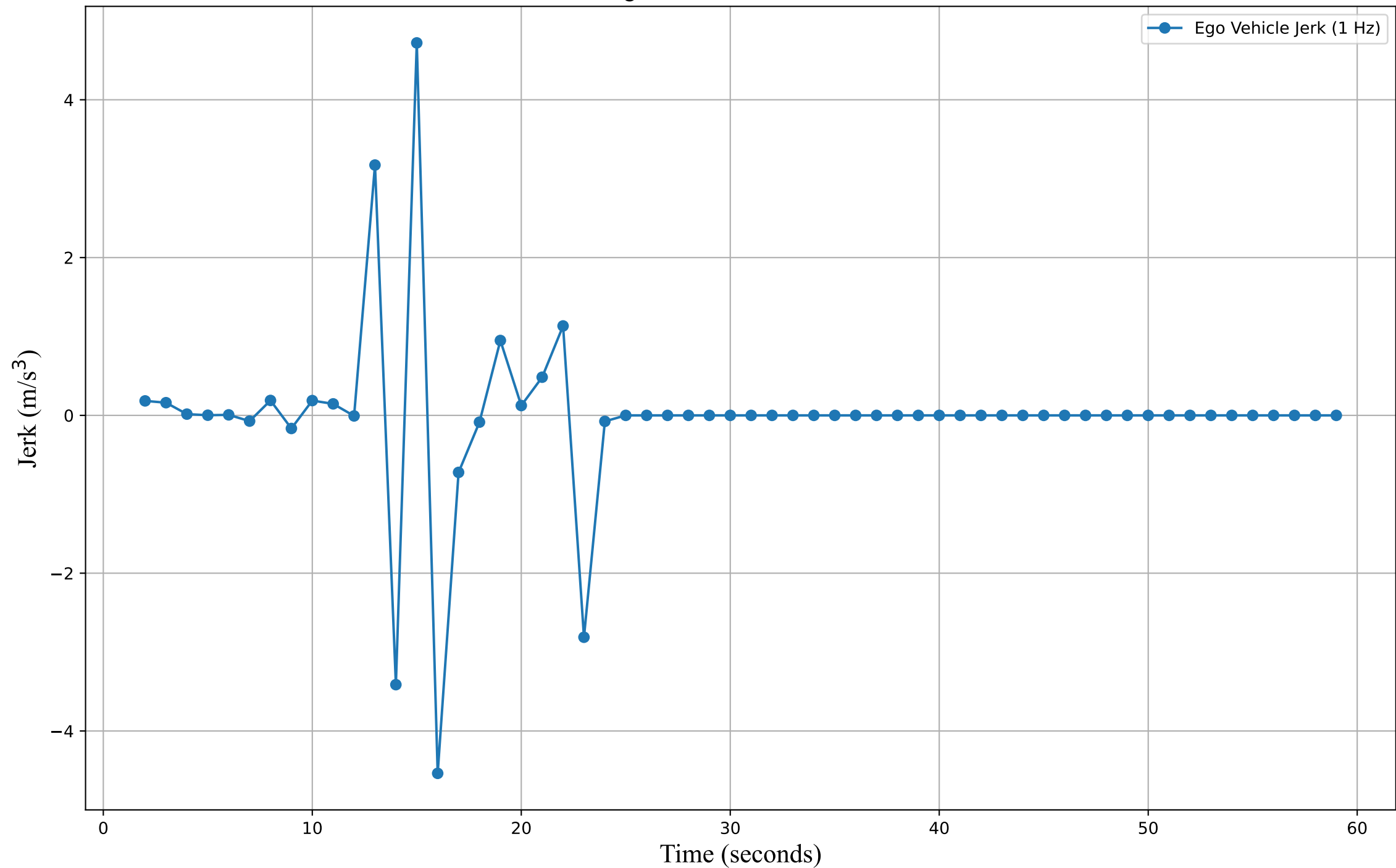


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

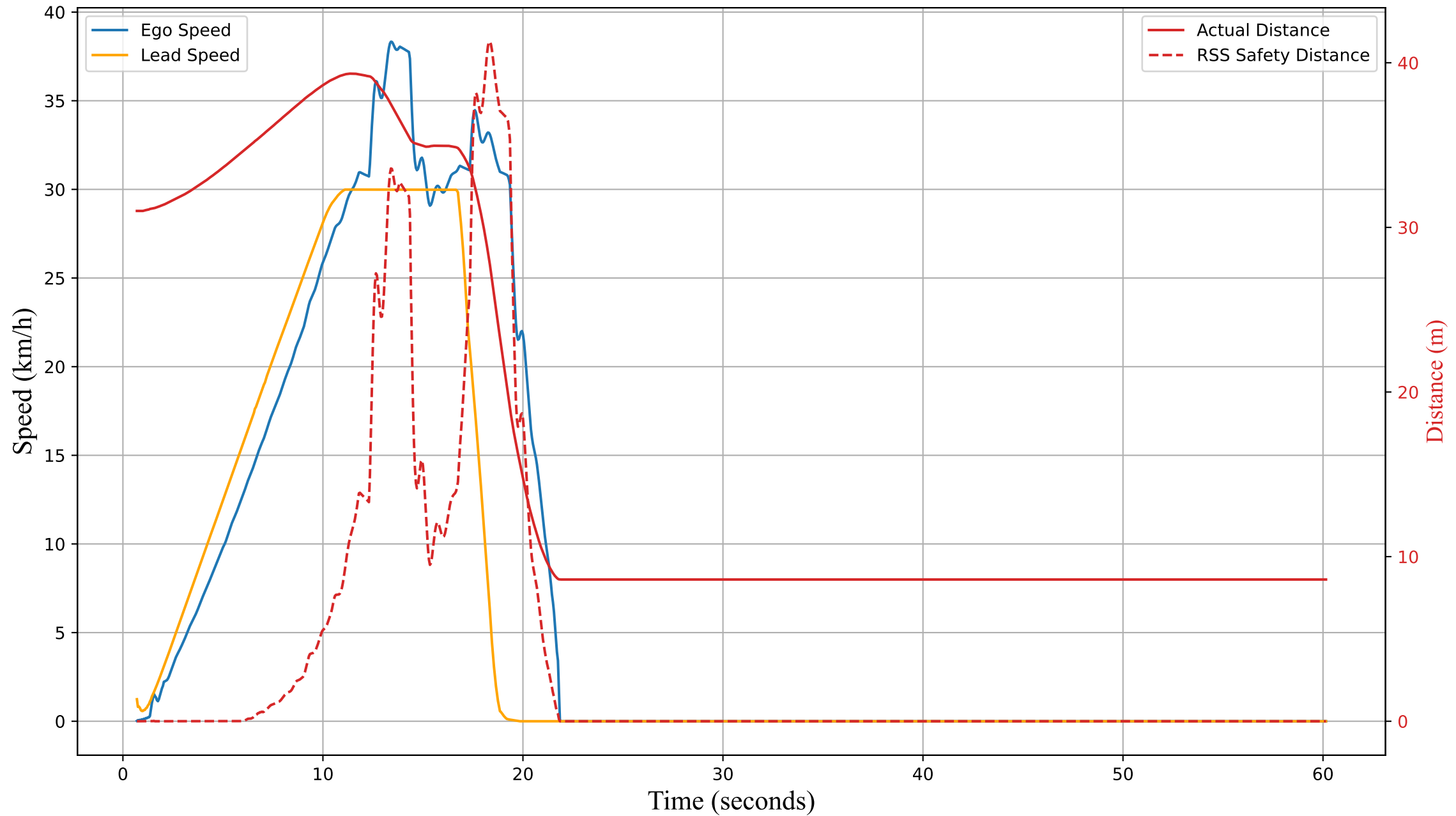


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

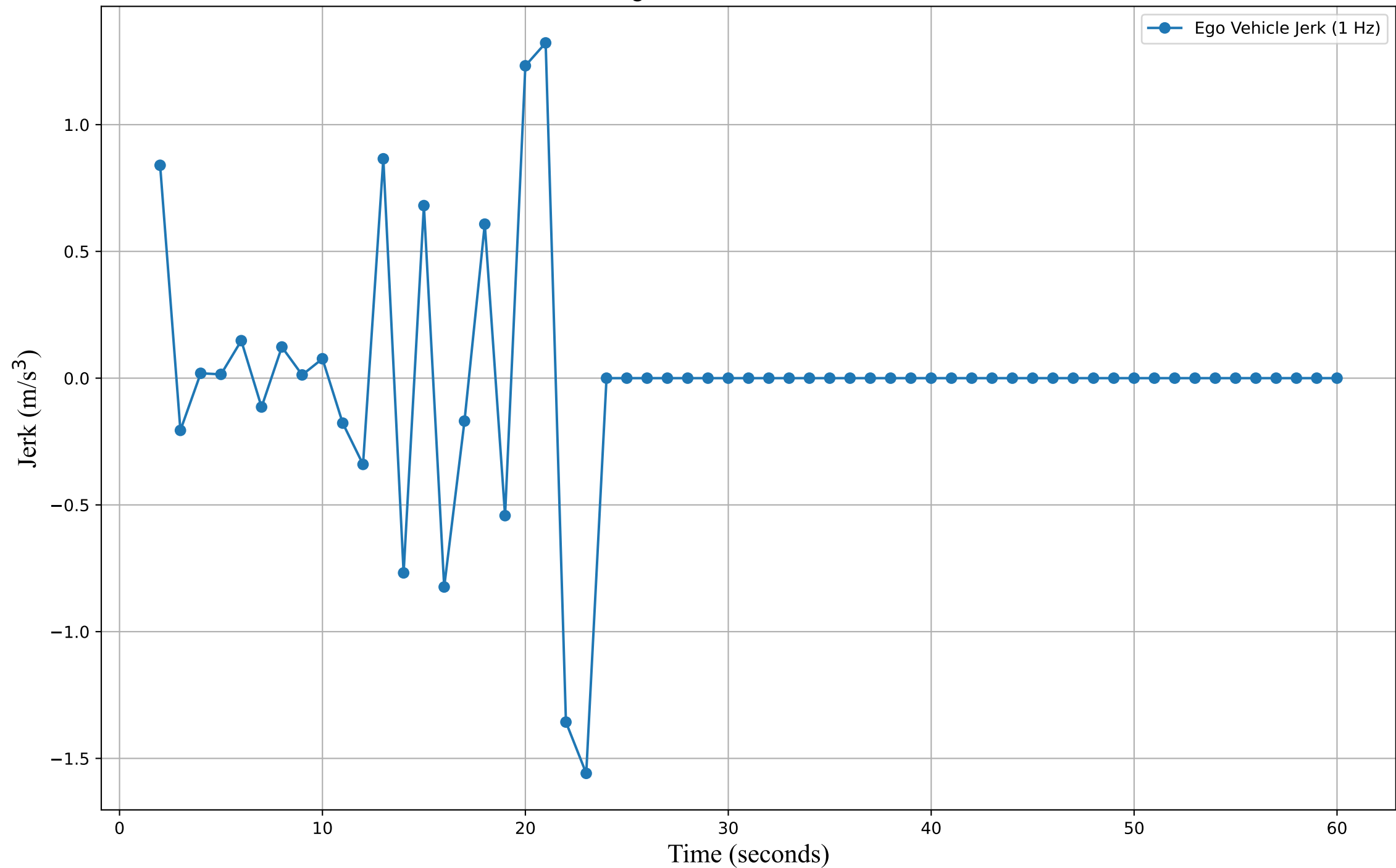


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

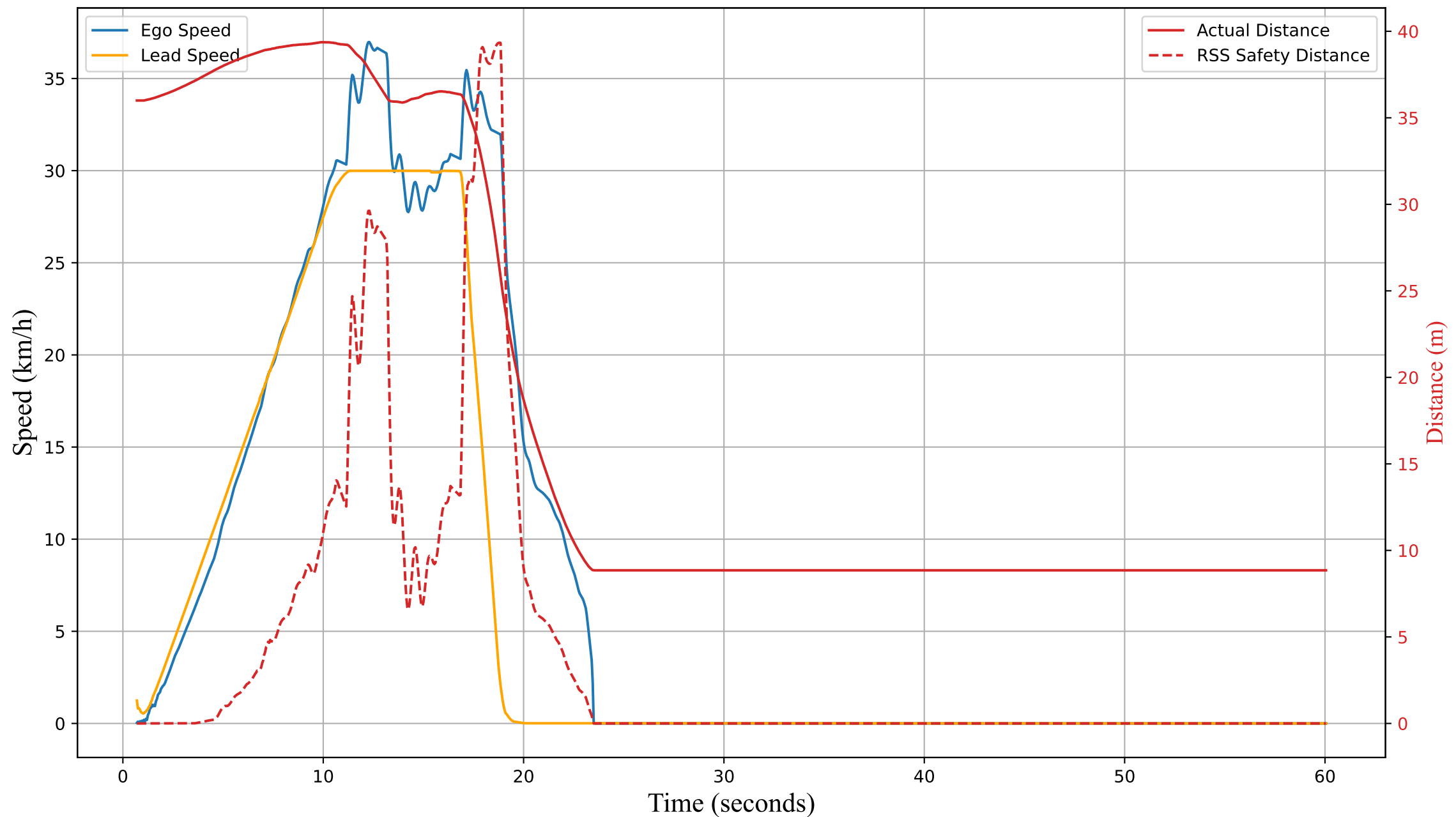


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=30 m

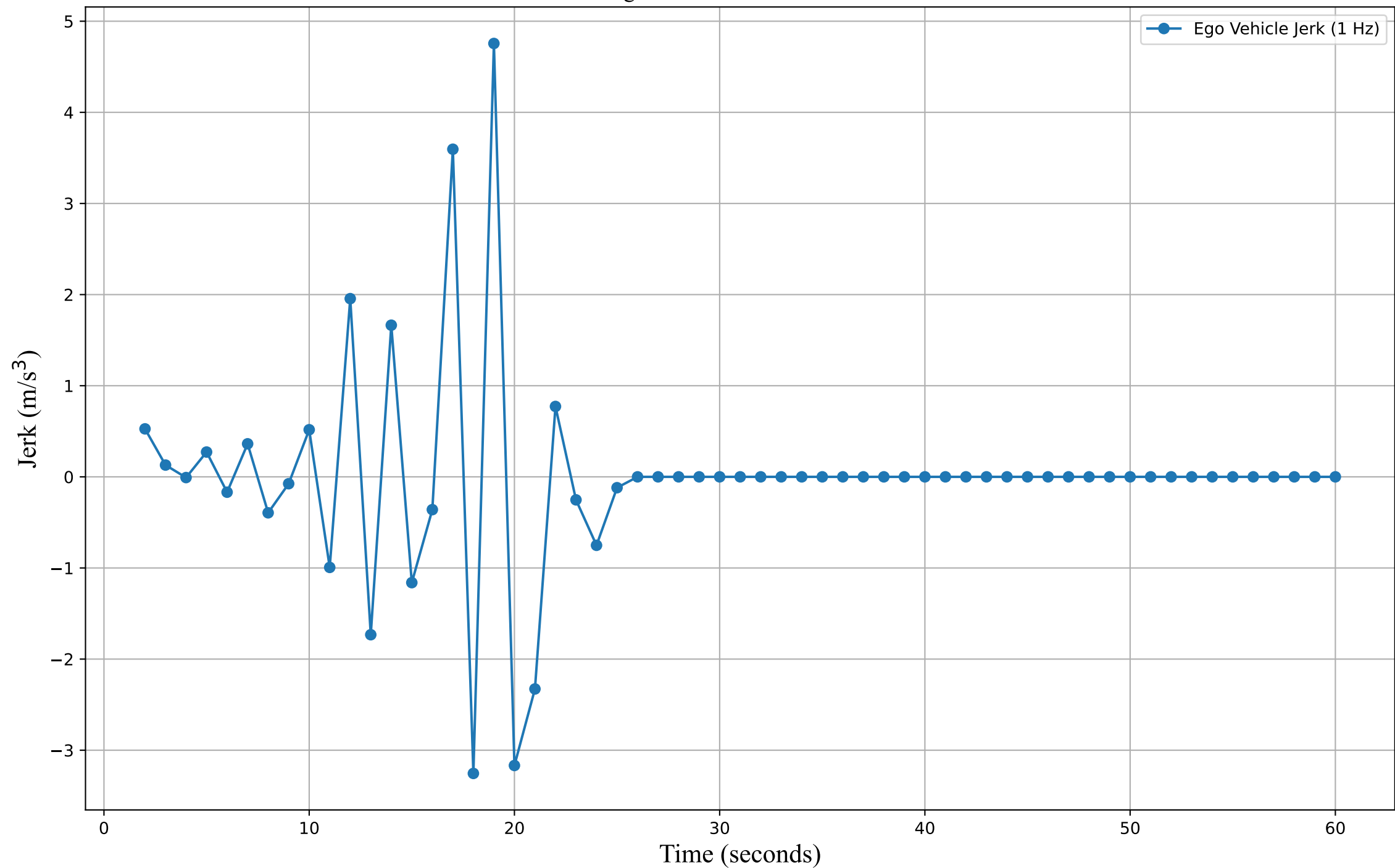
Ego Vehicle Jerk Over Time



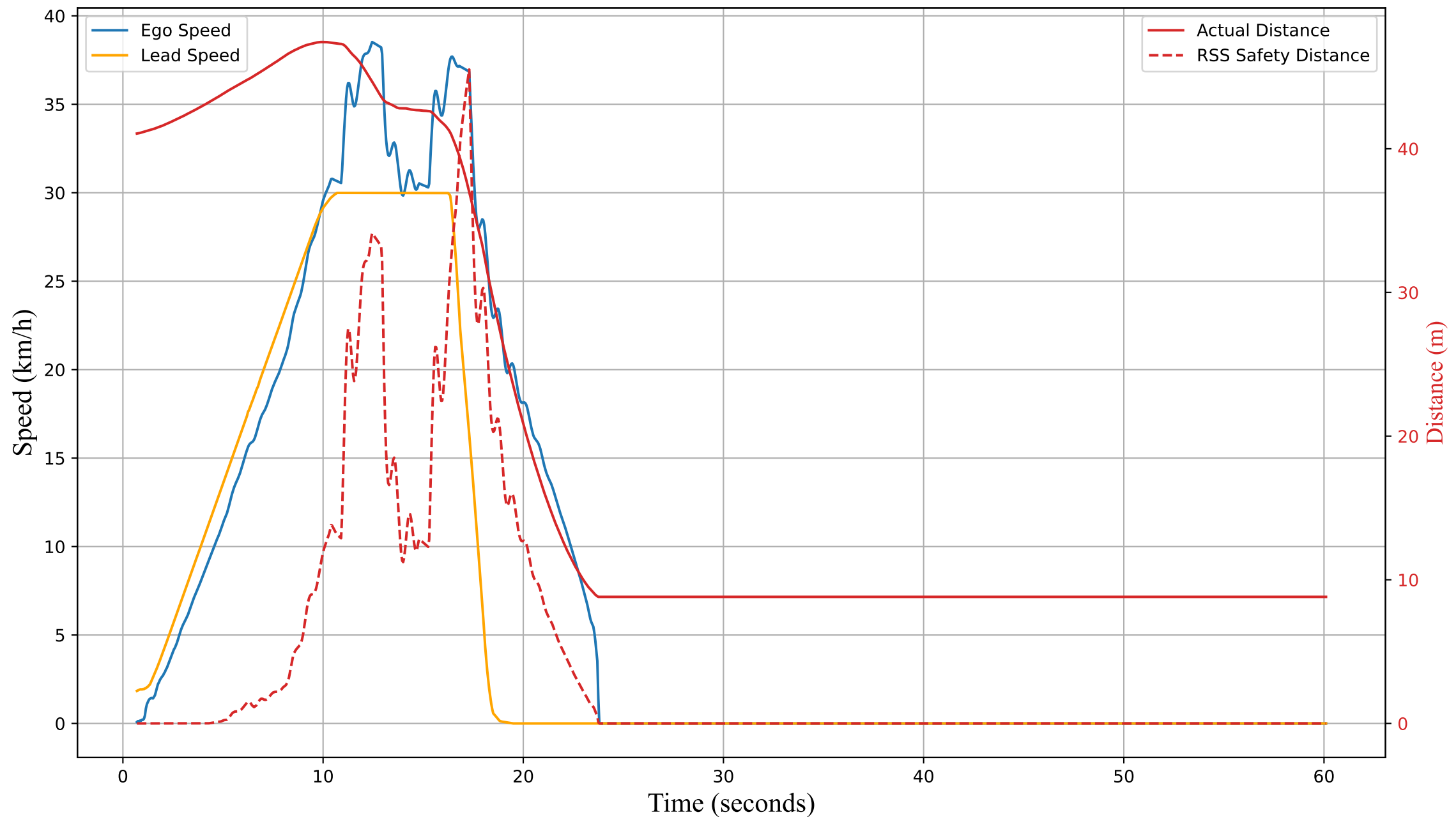
Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=35 m
Ego Vehicle Jerk Over Time

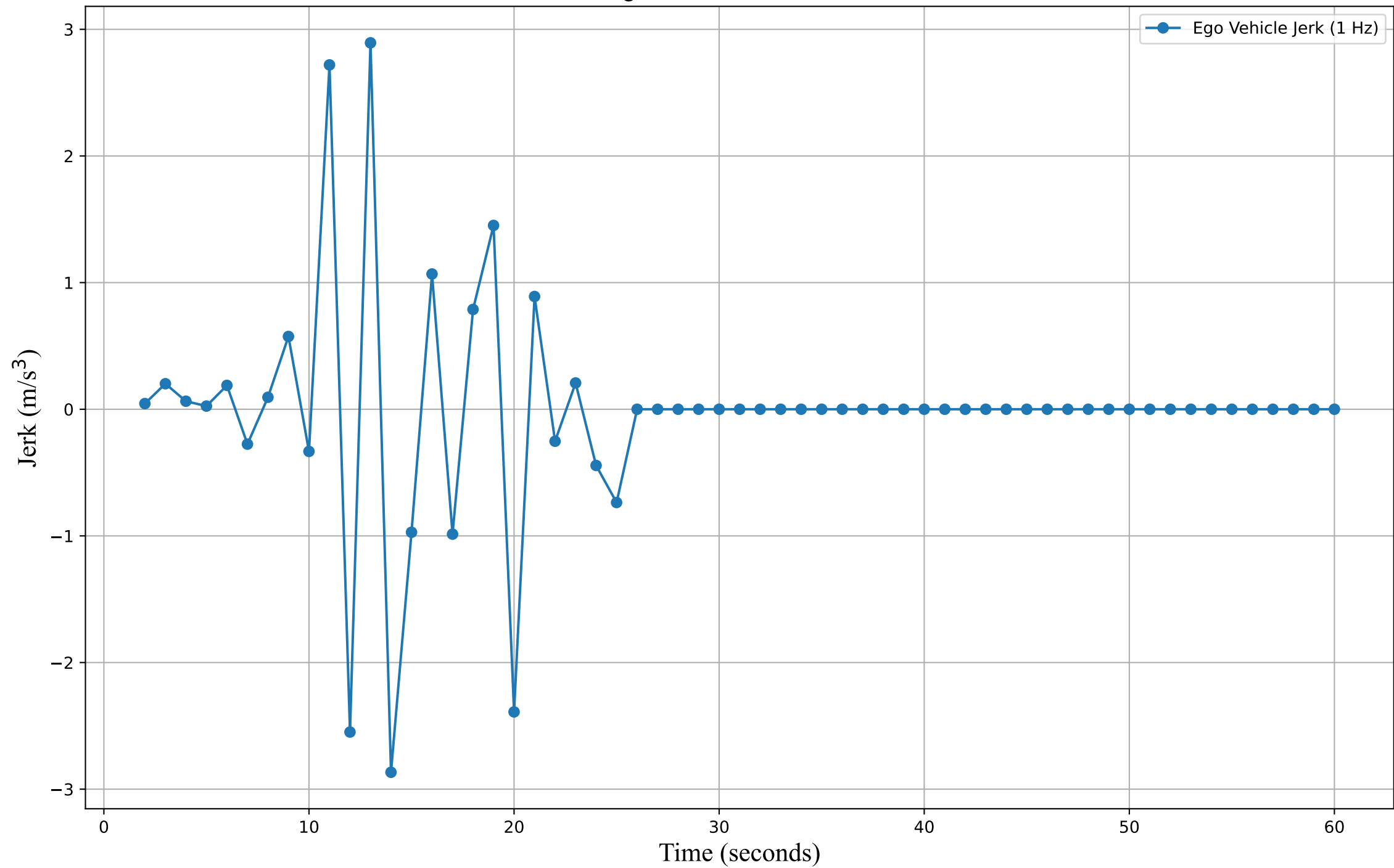


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

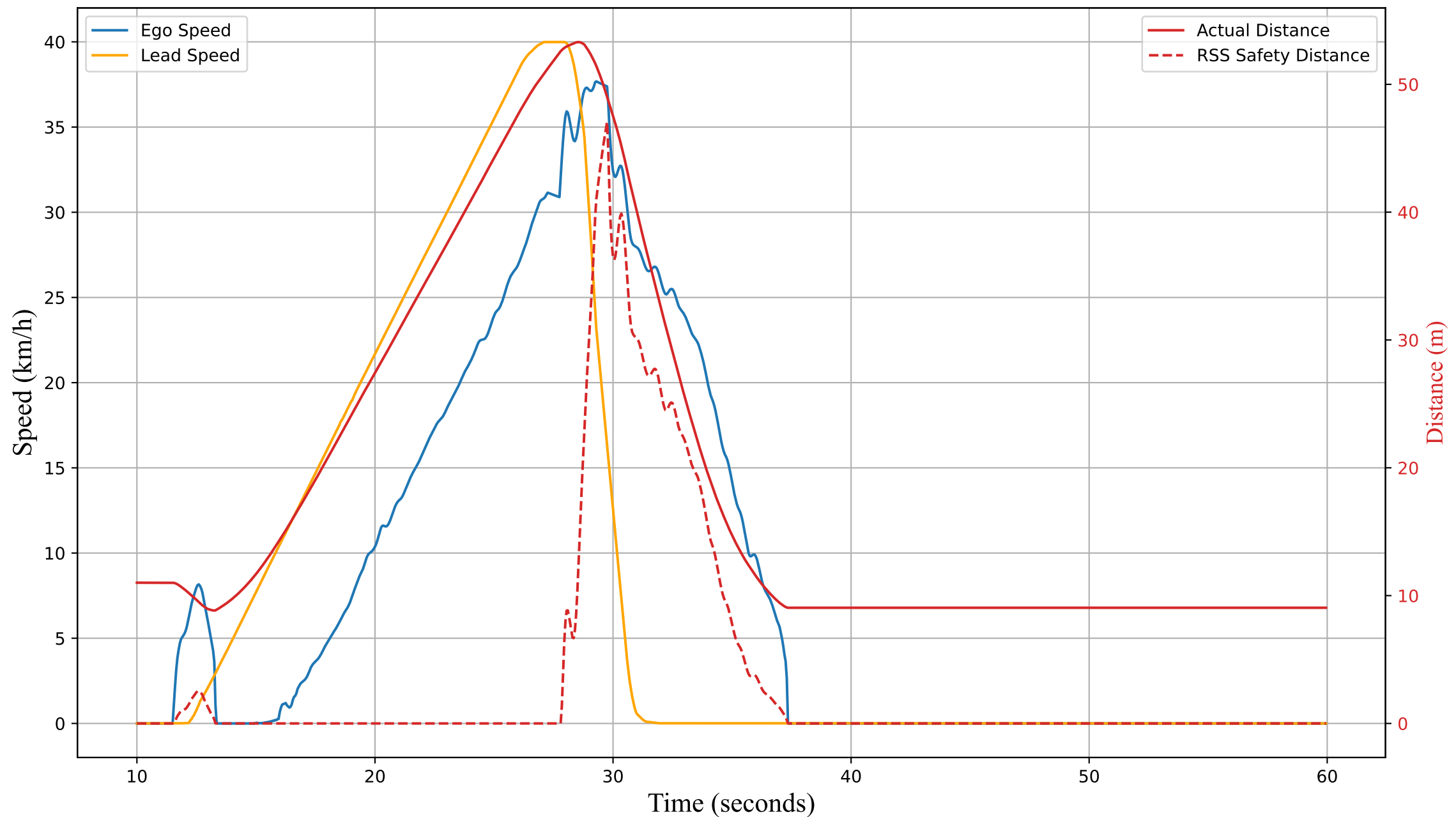


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

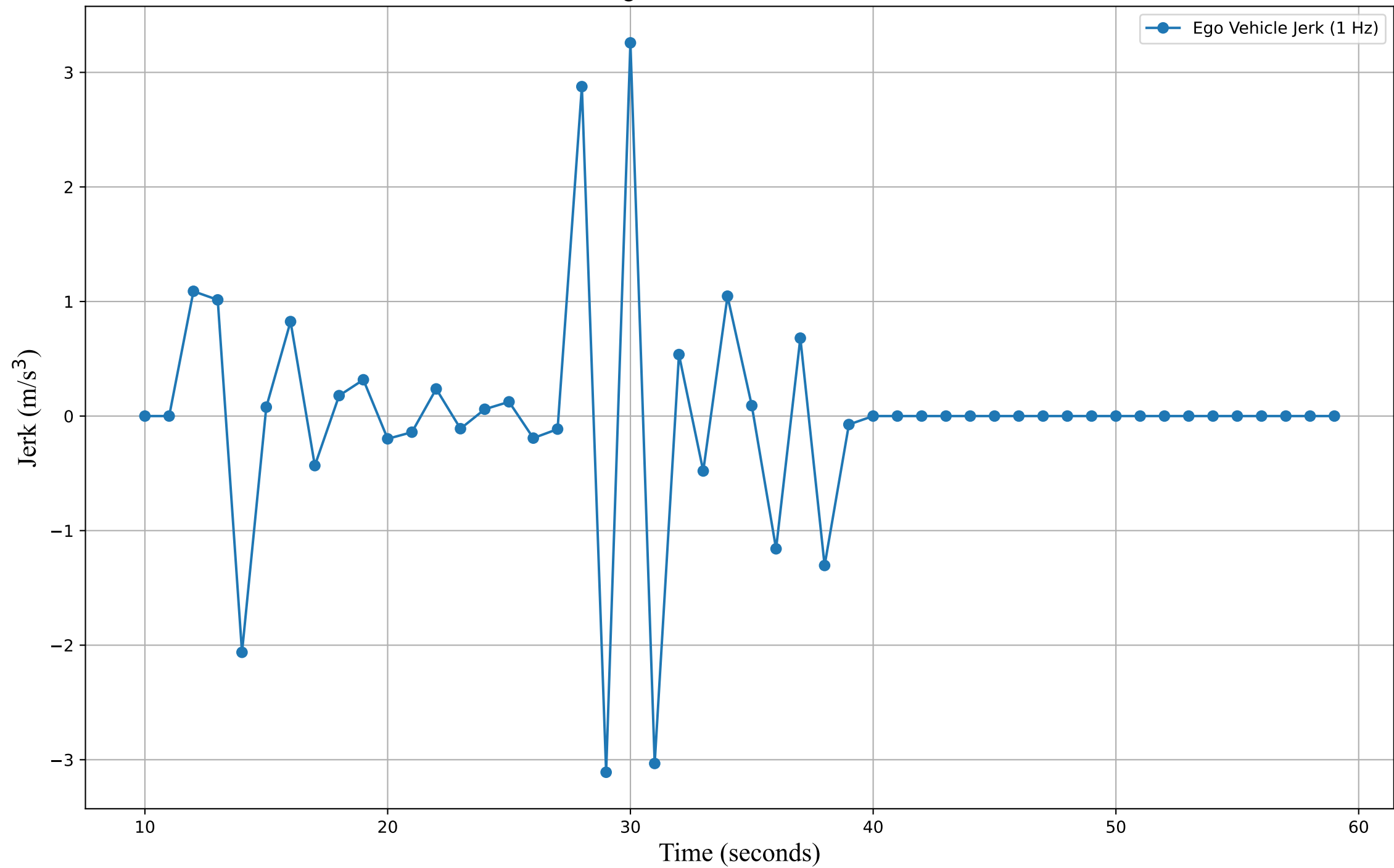


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

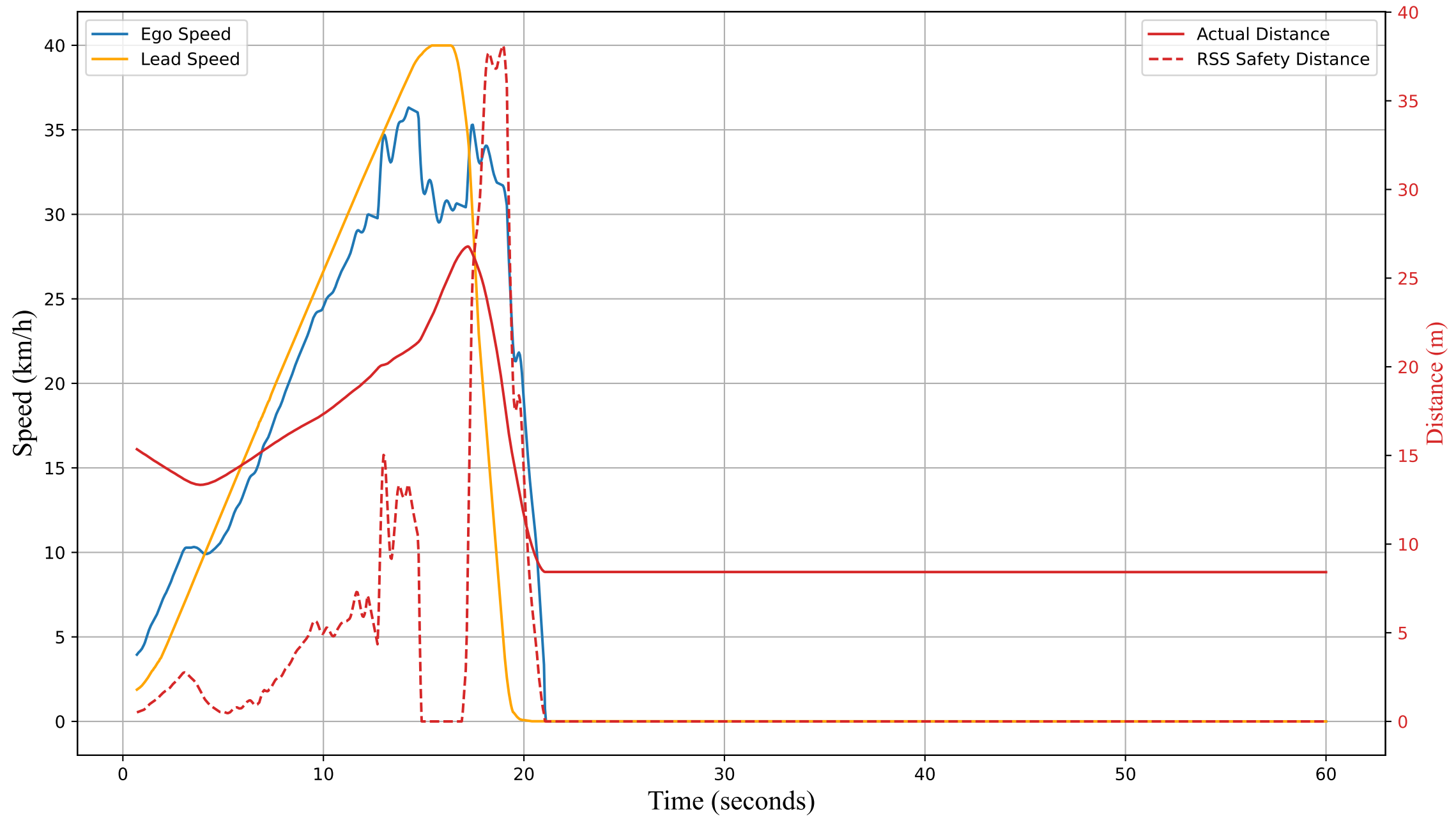


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

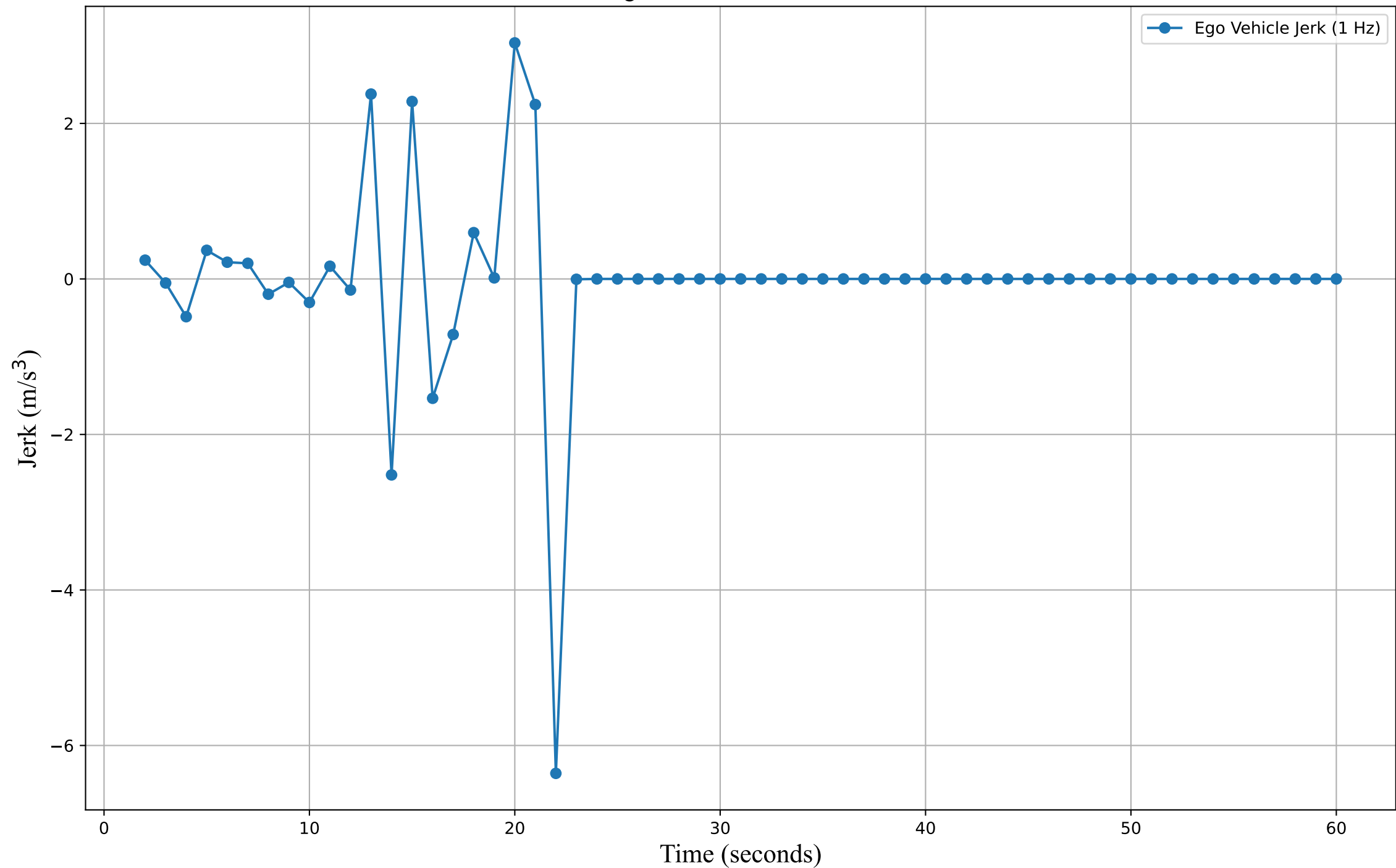


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

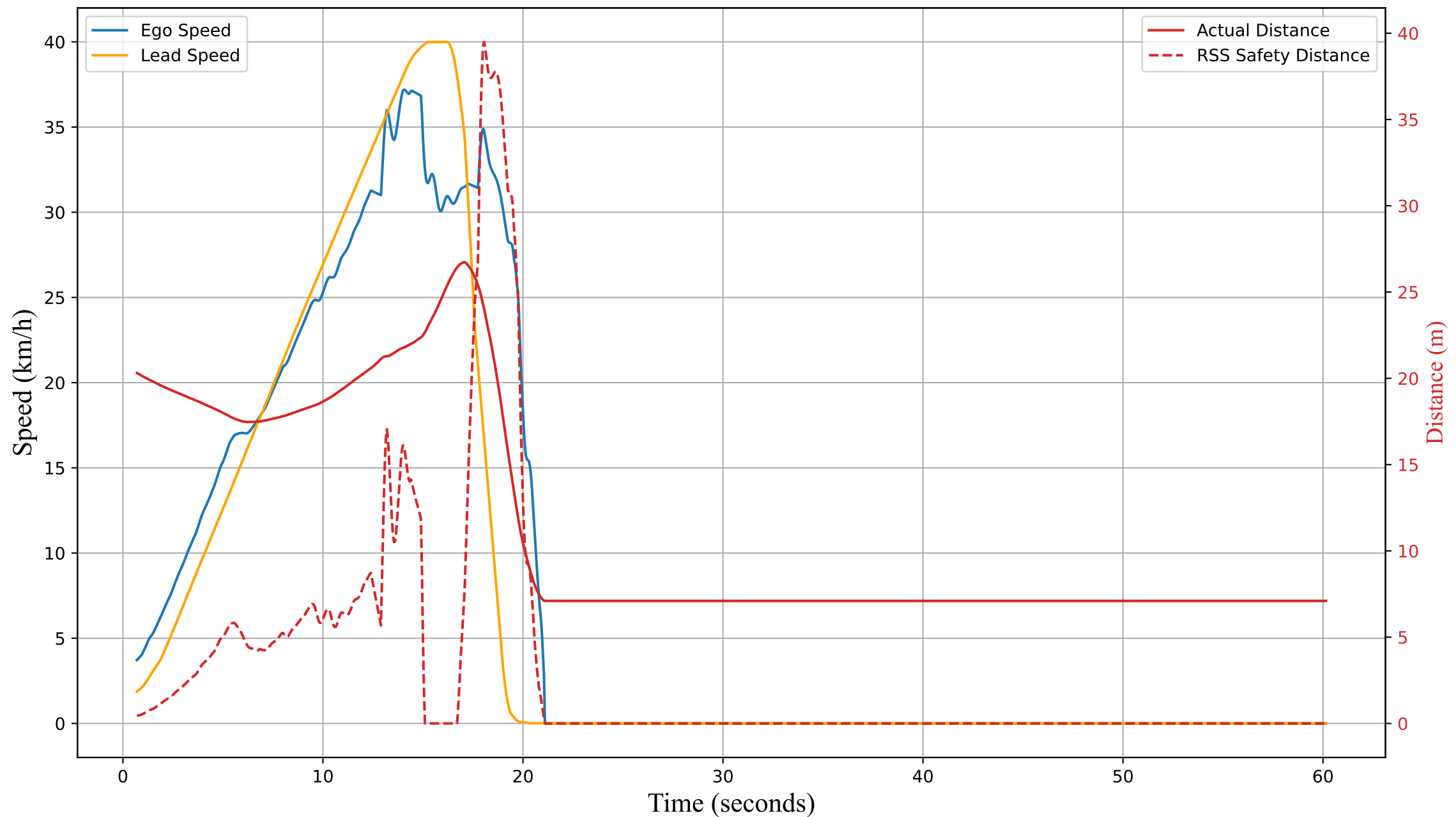


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

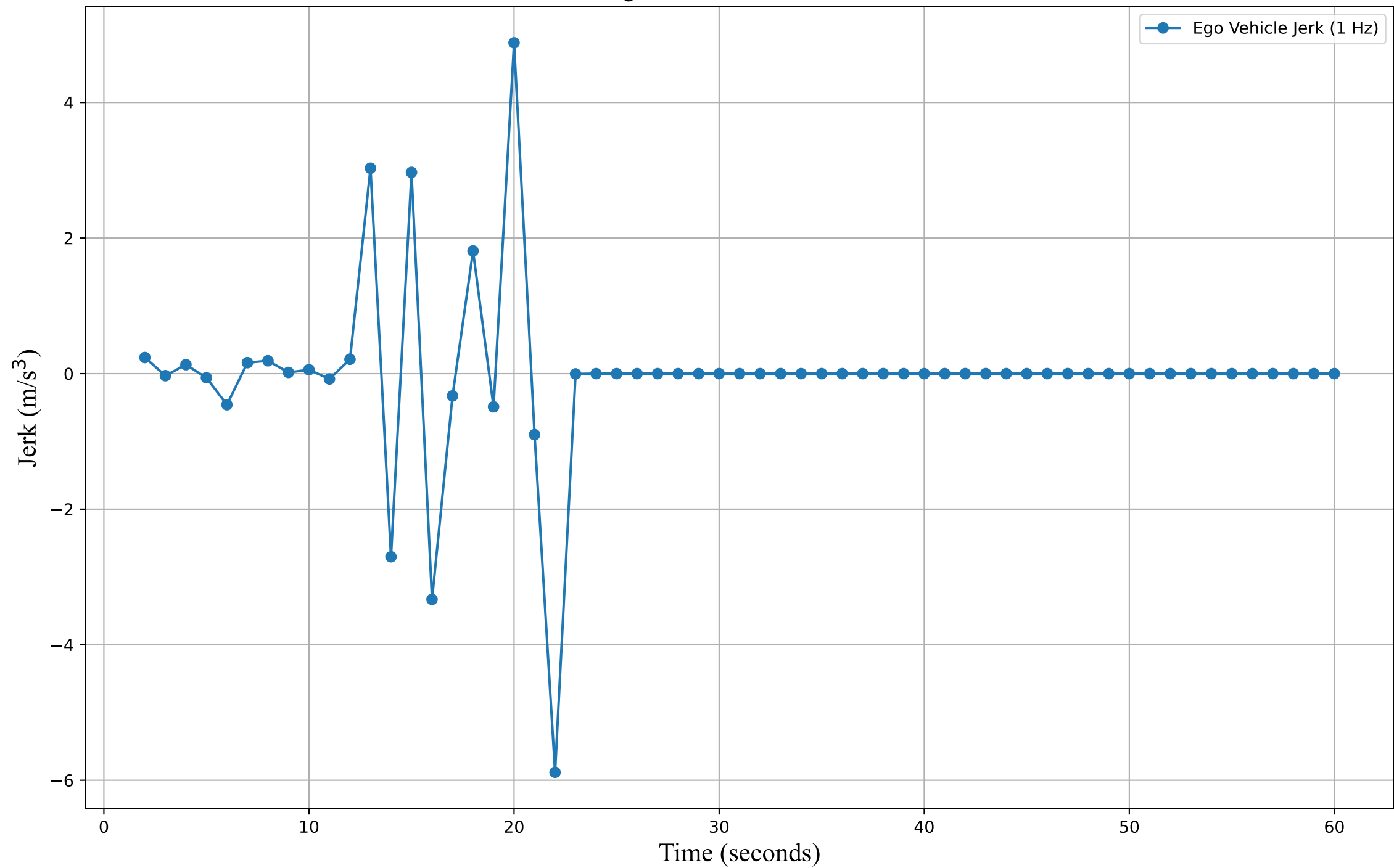


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

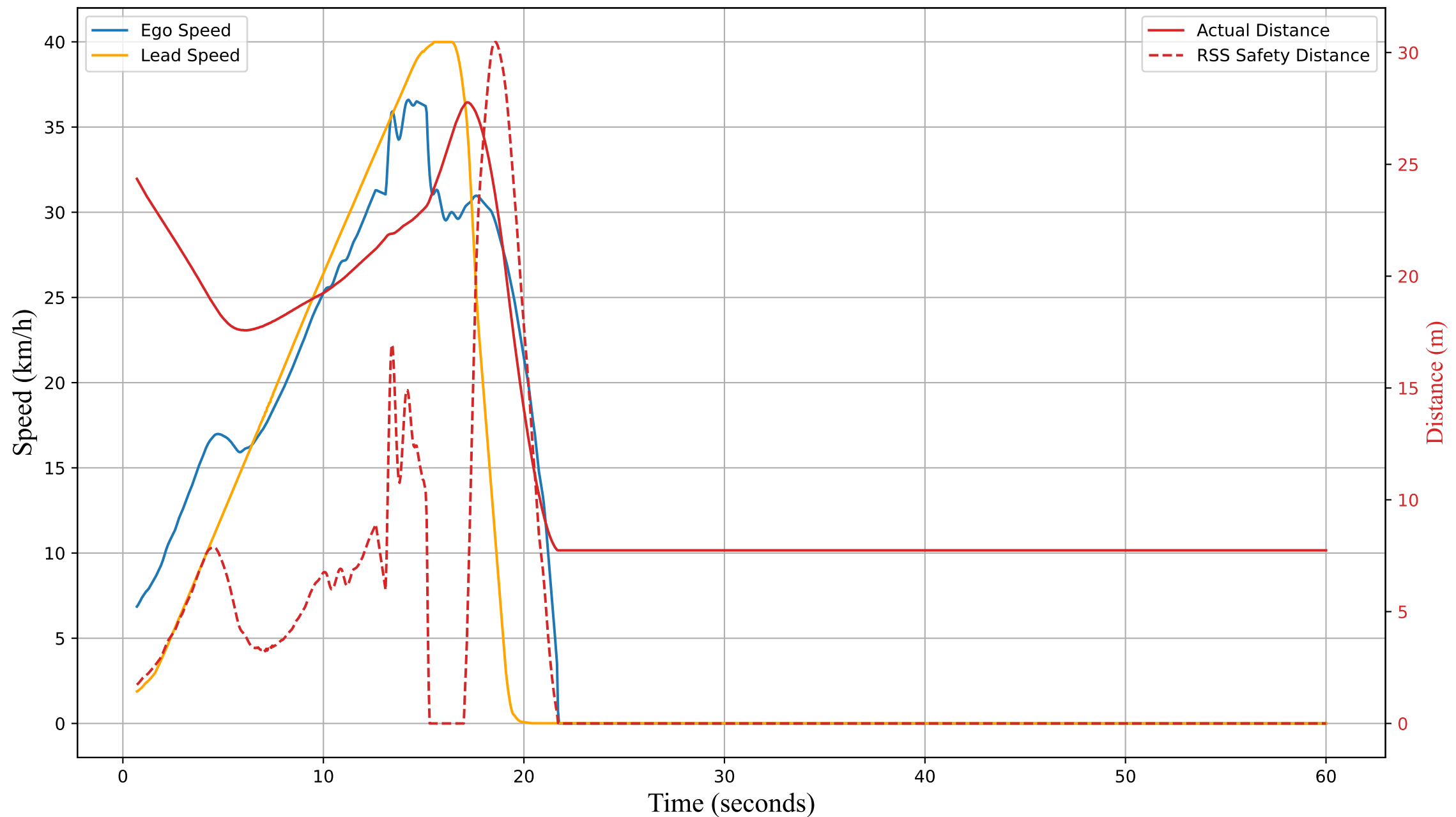


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

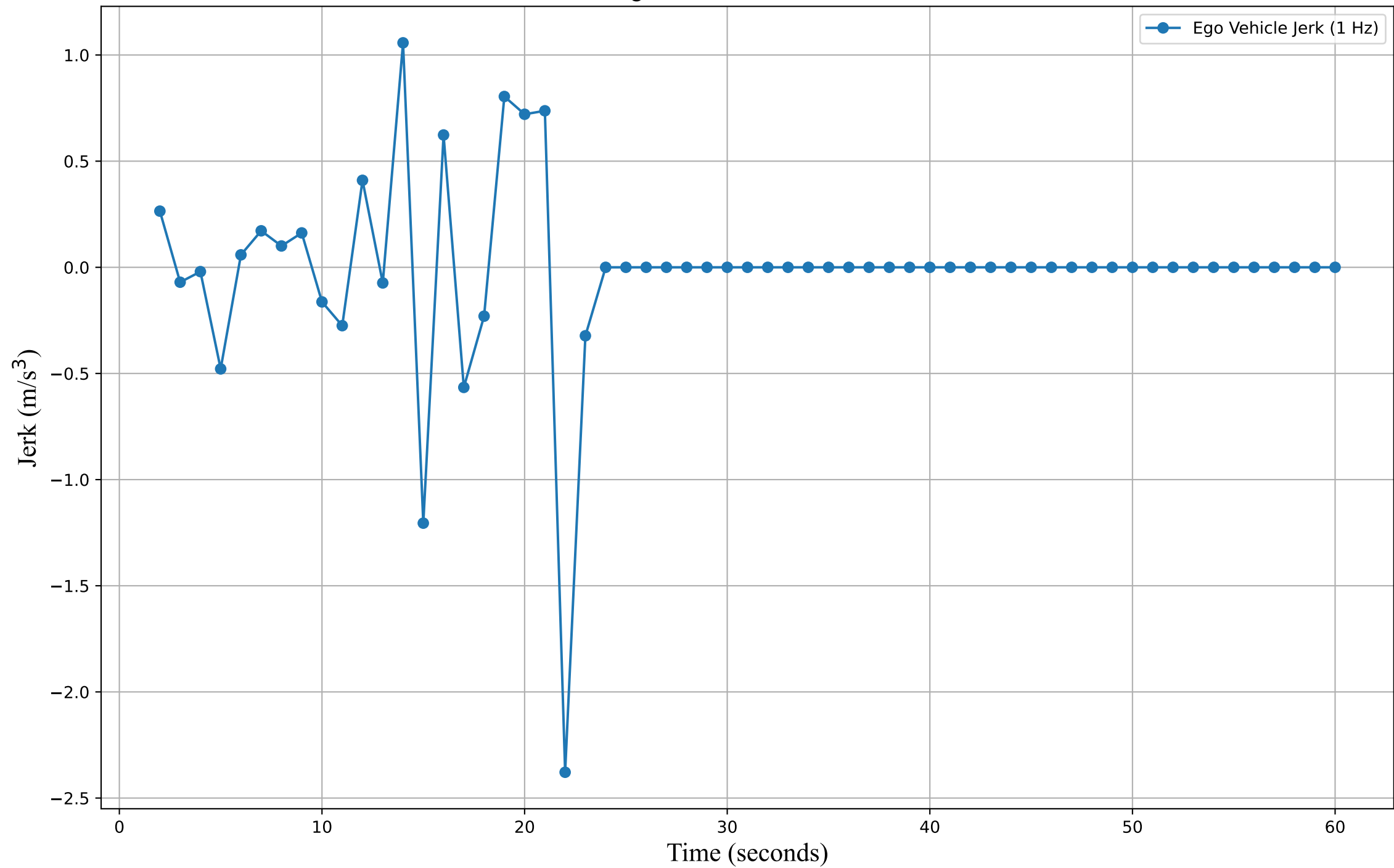


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

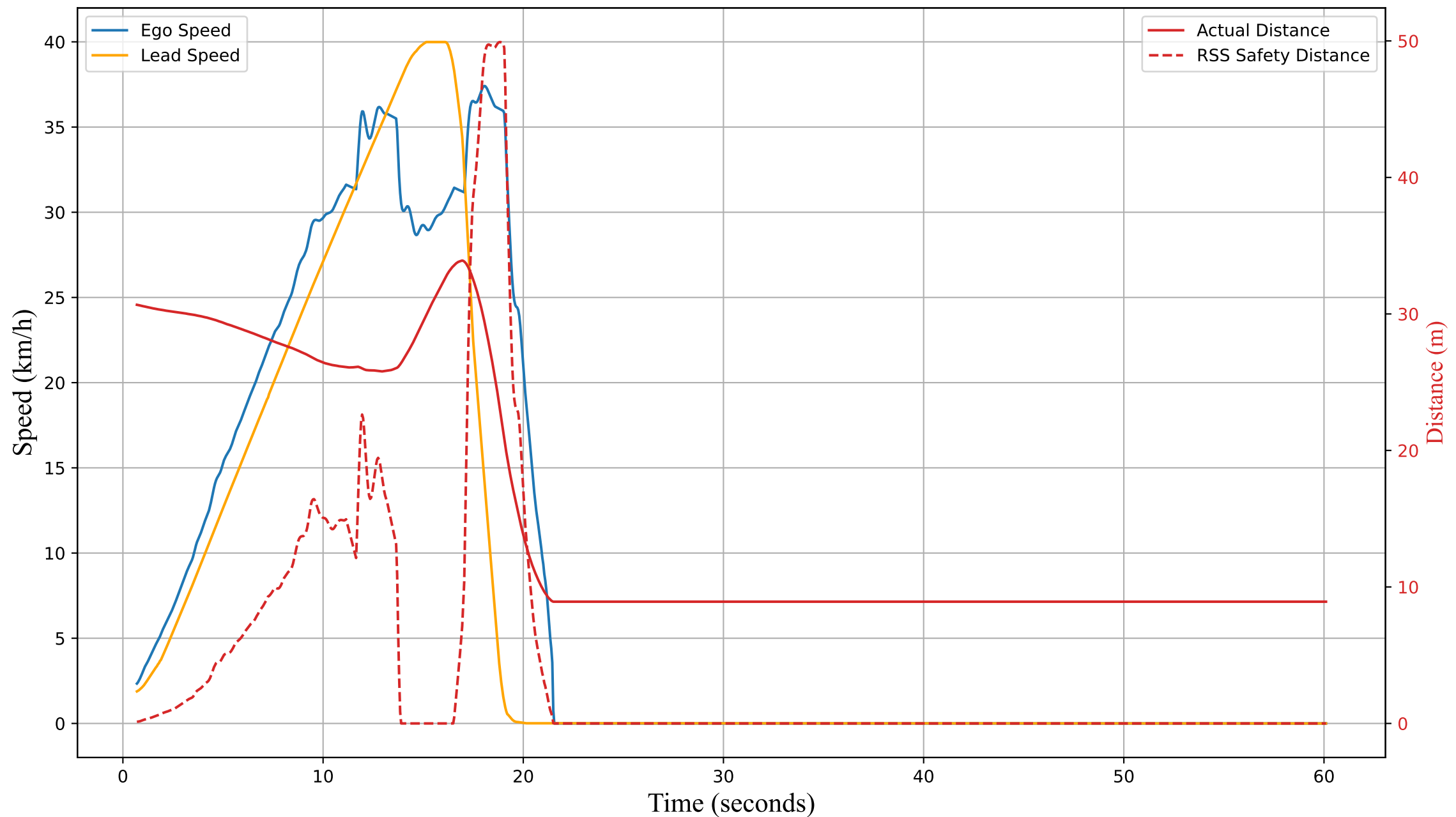


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

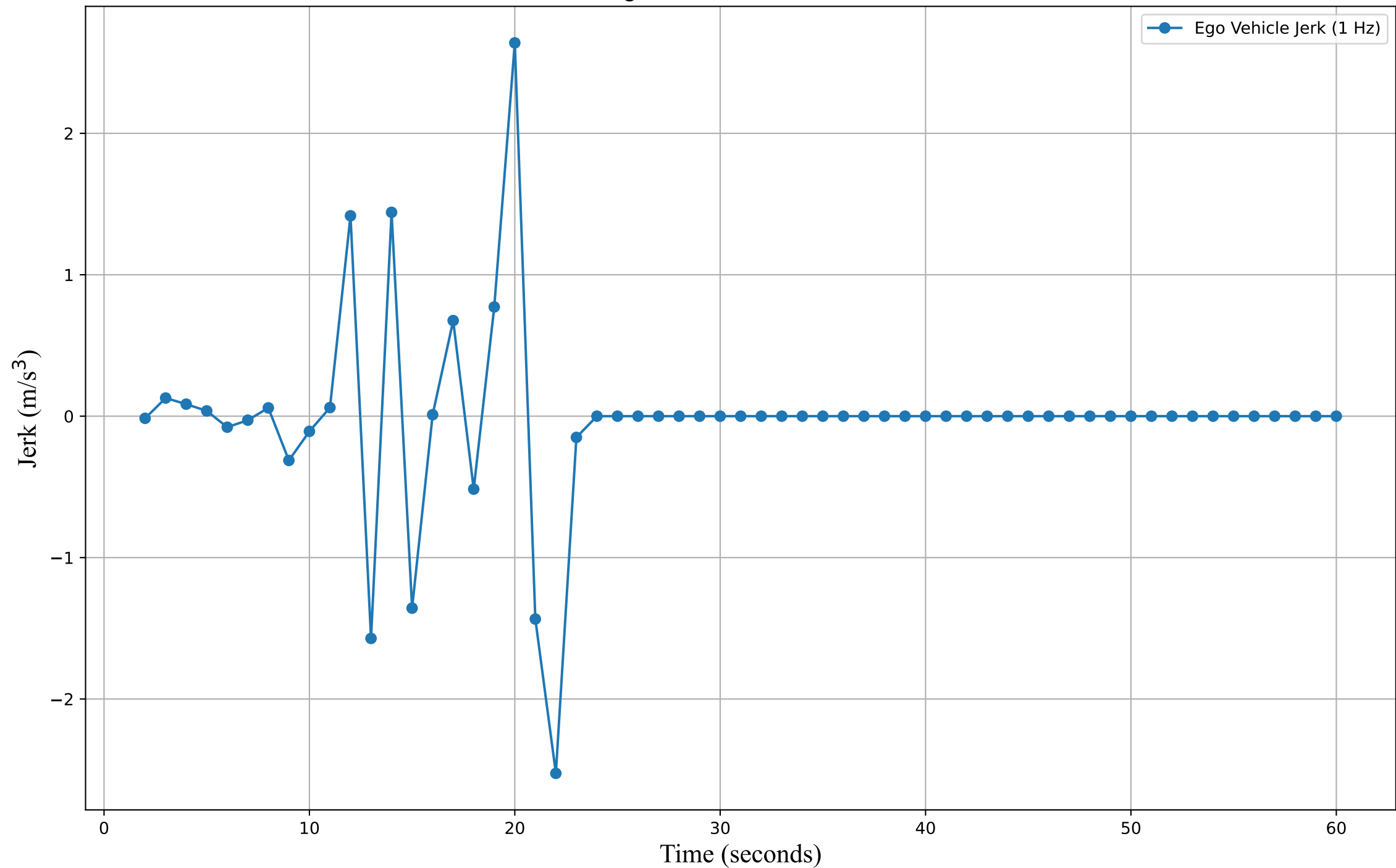


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

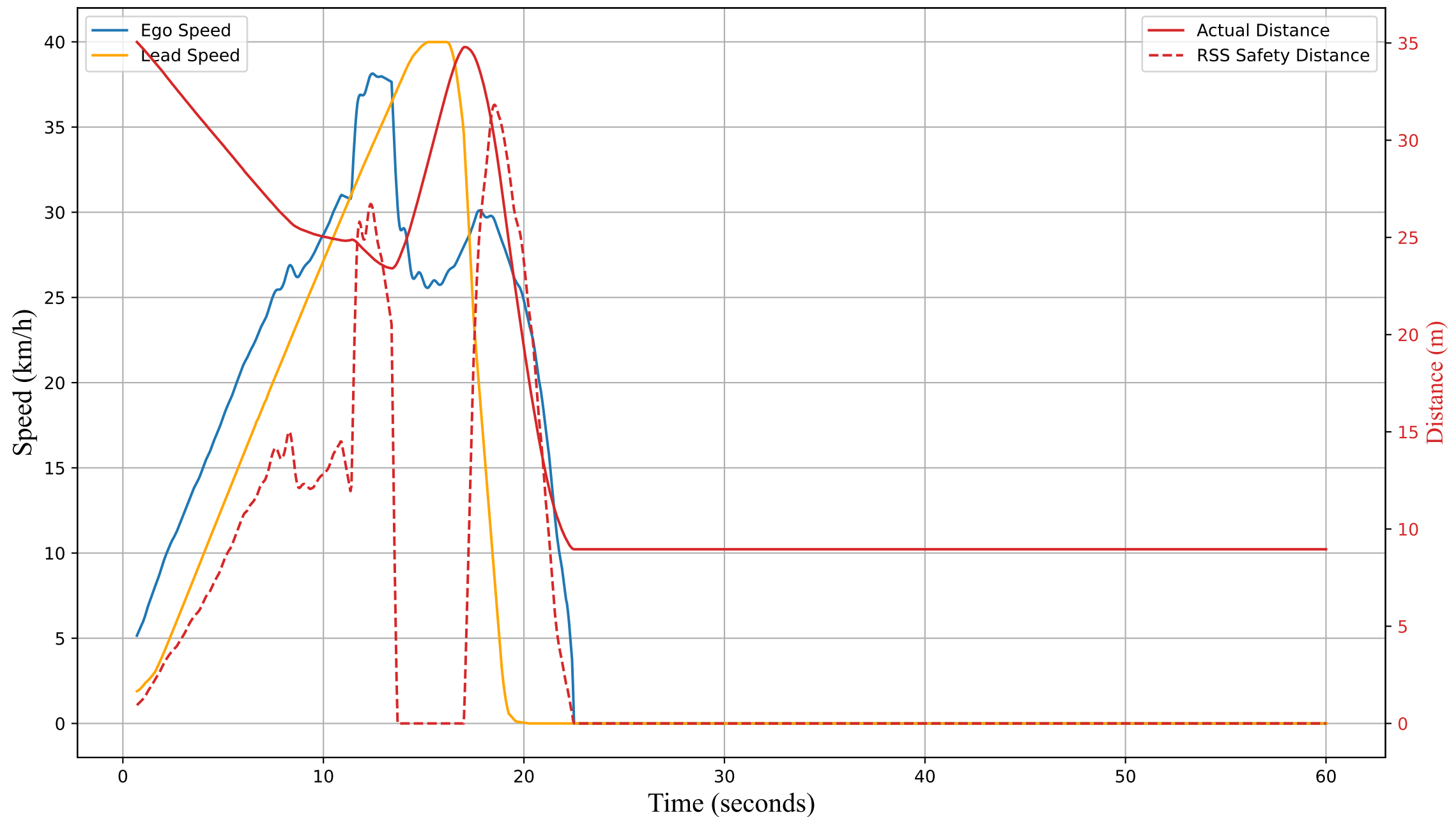


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

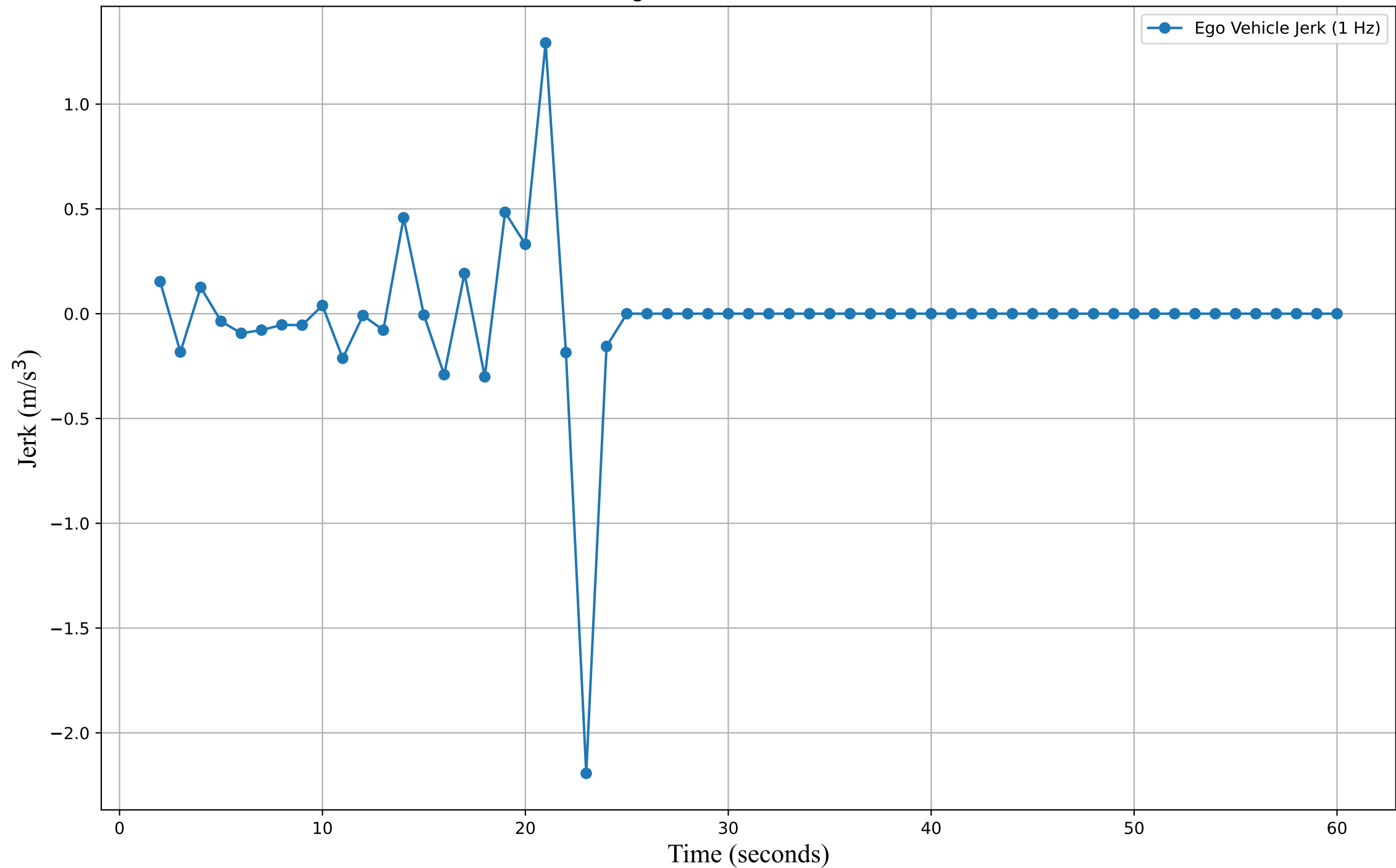


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

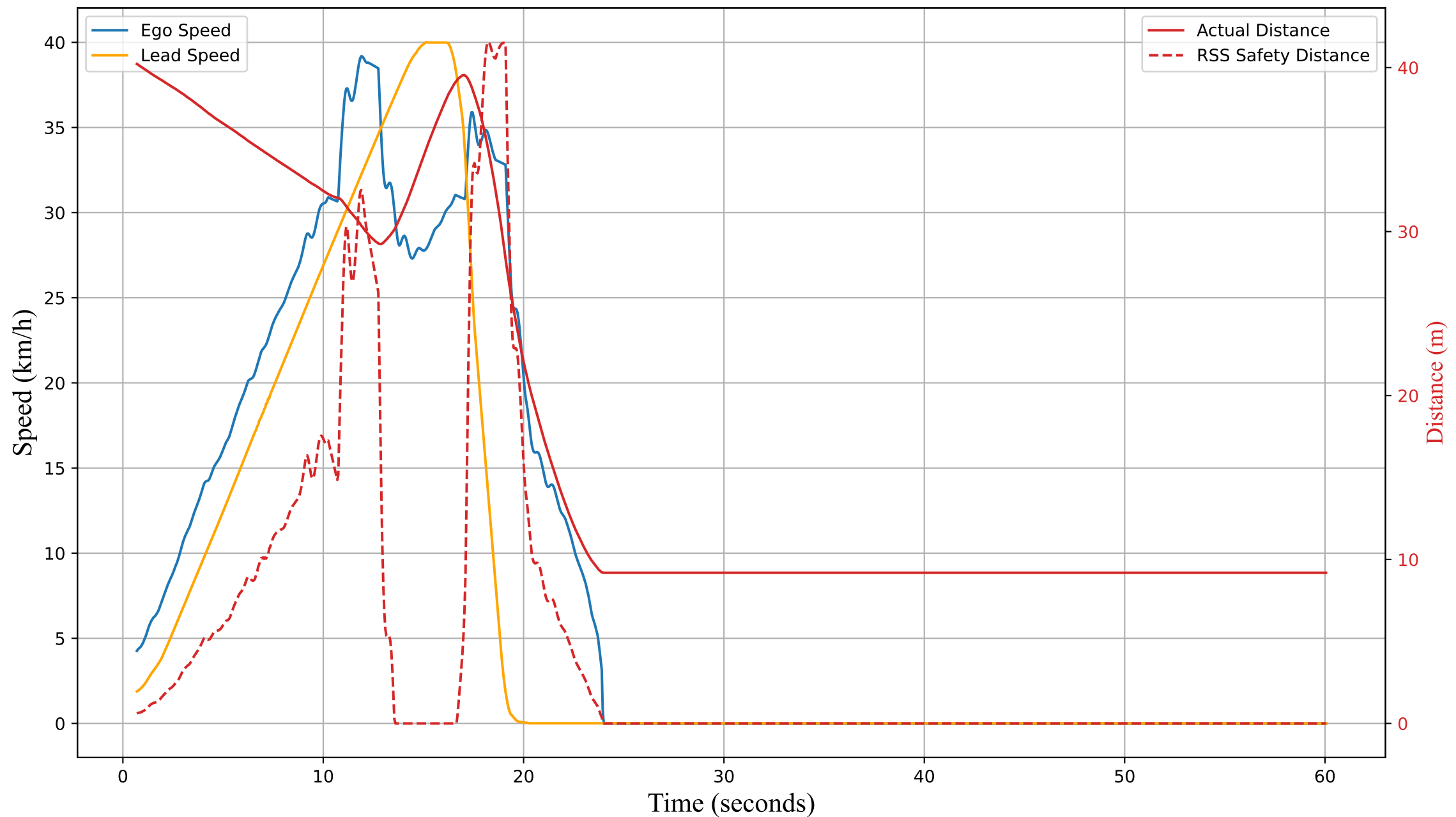


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time

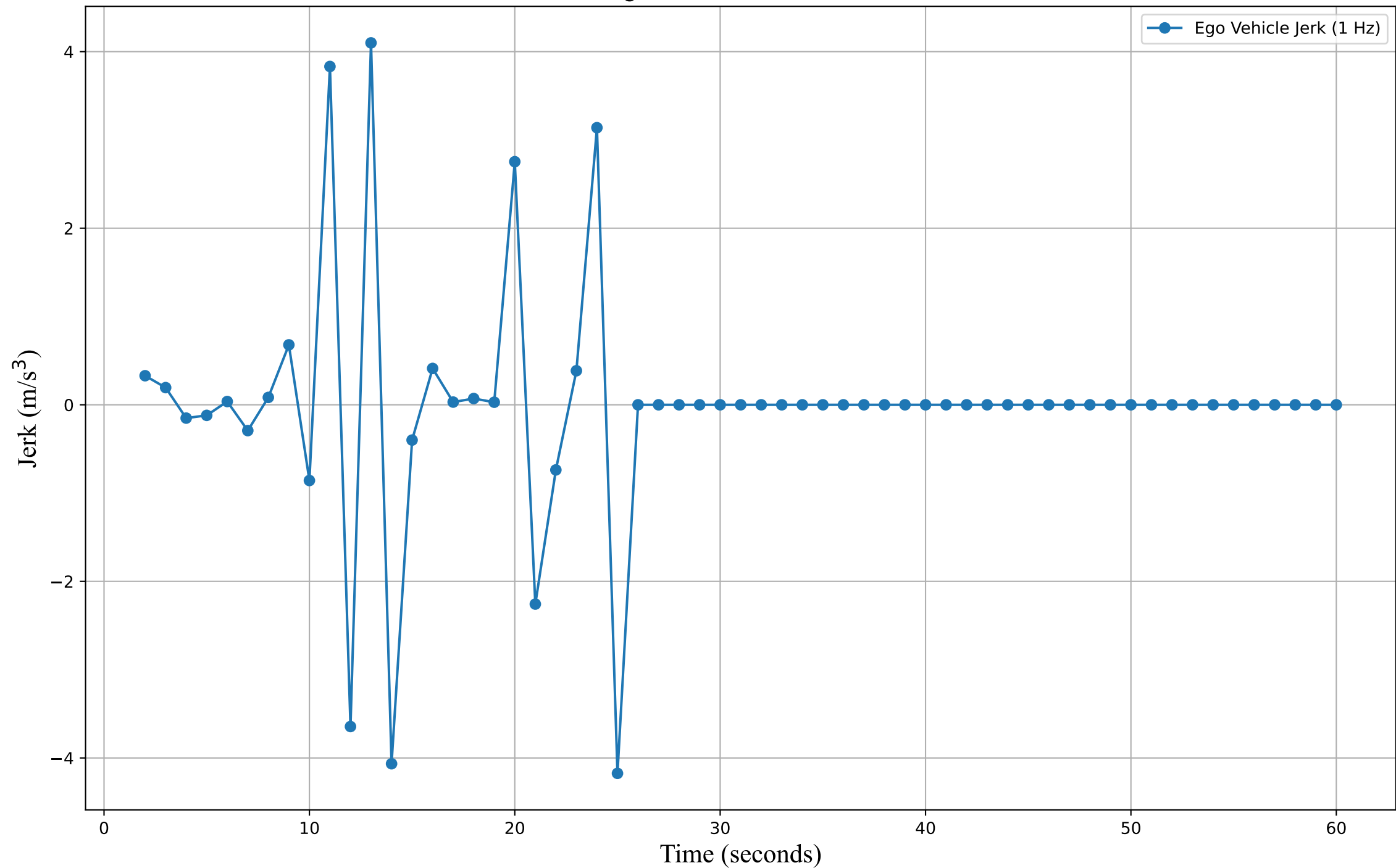


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance



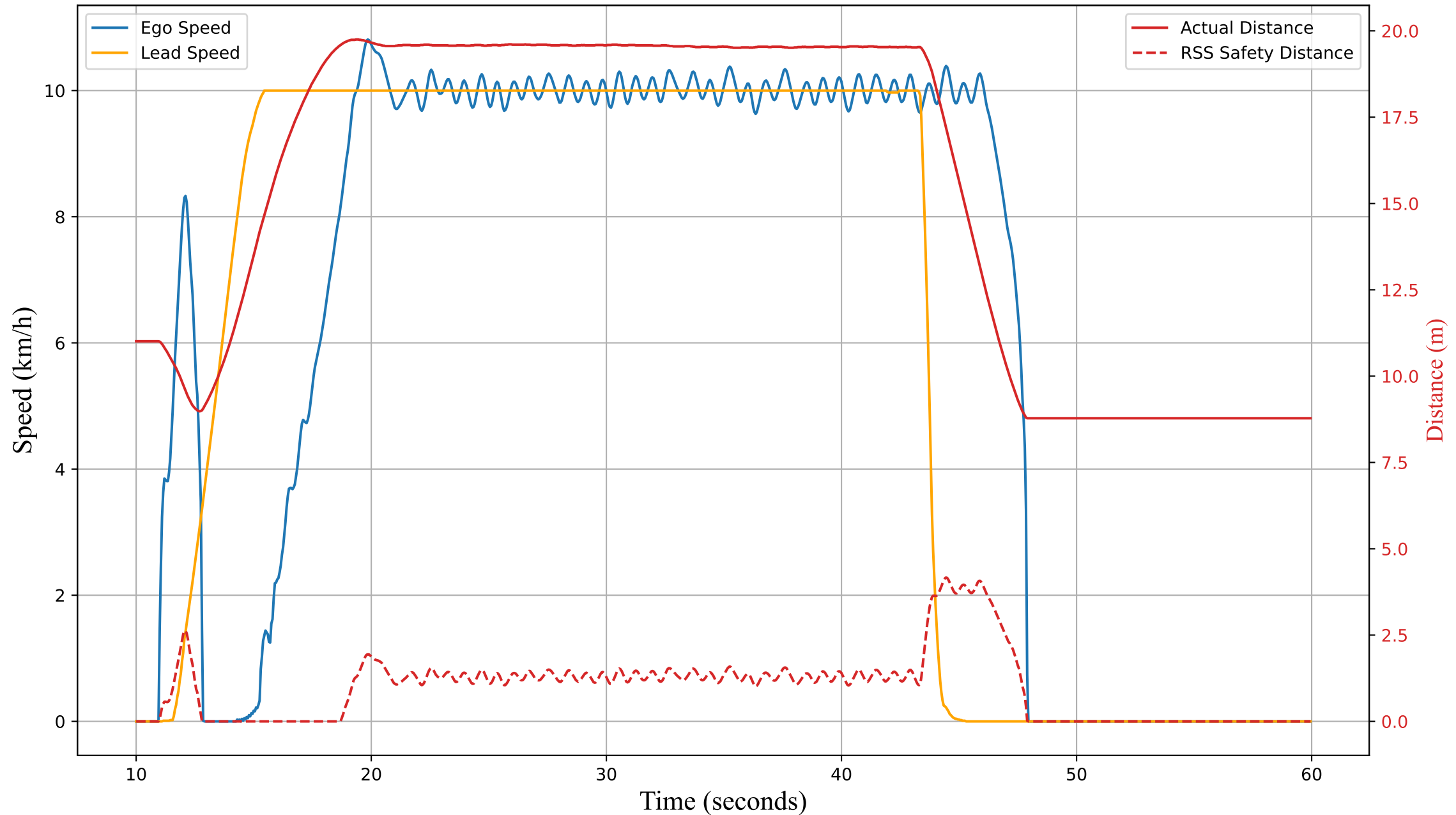
Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time



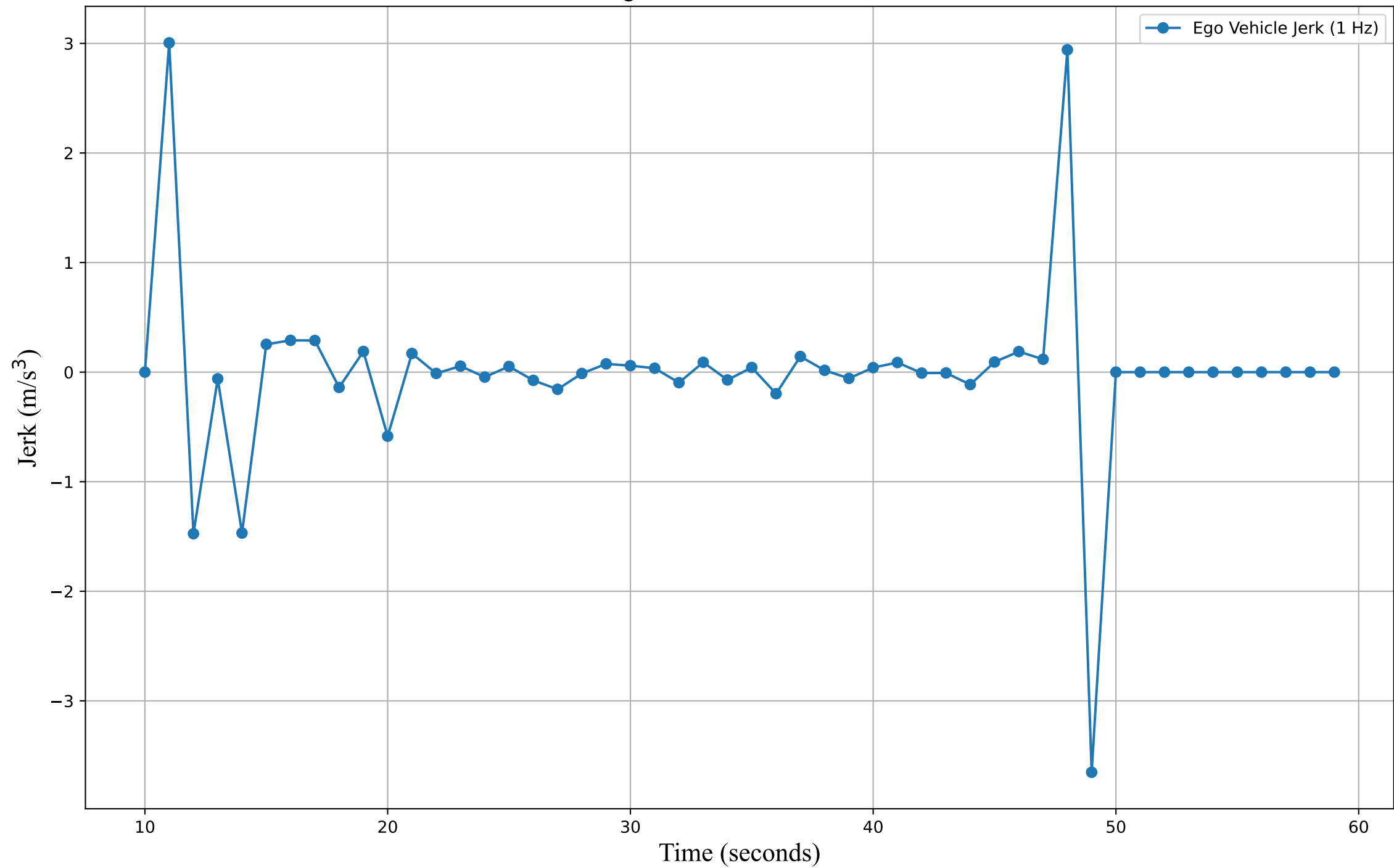
Case 2: $(V_r = V_f)$

Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

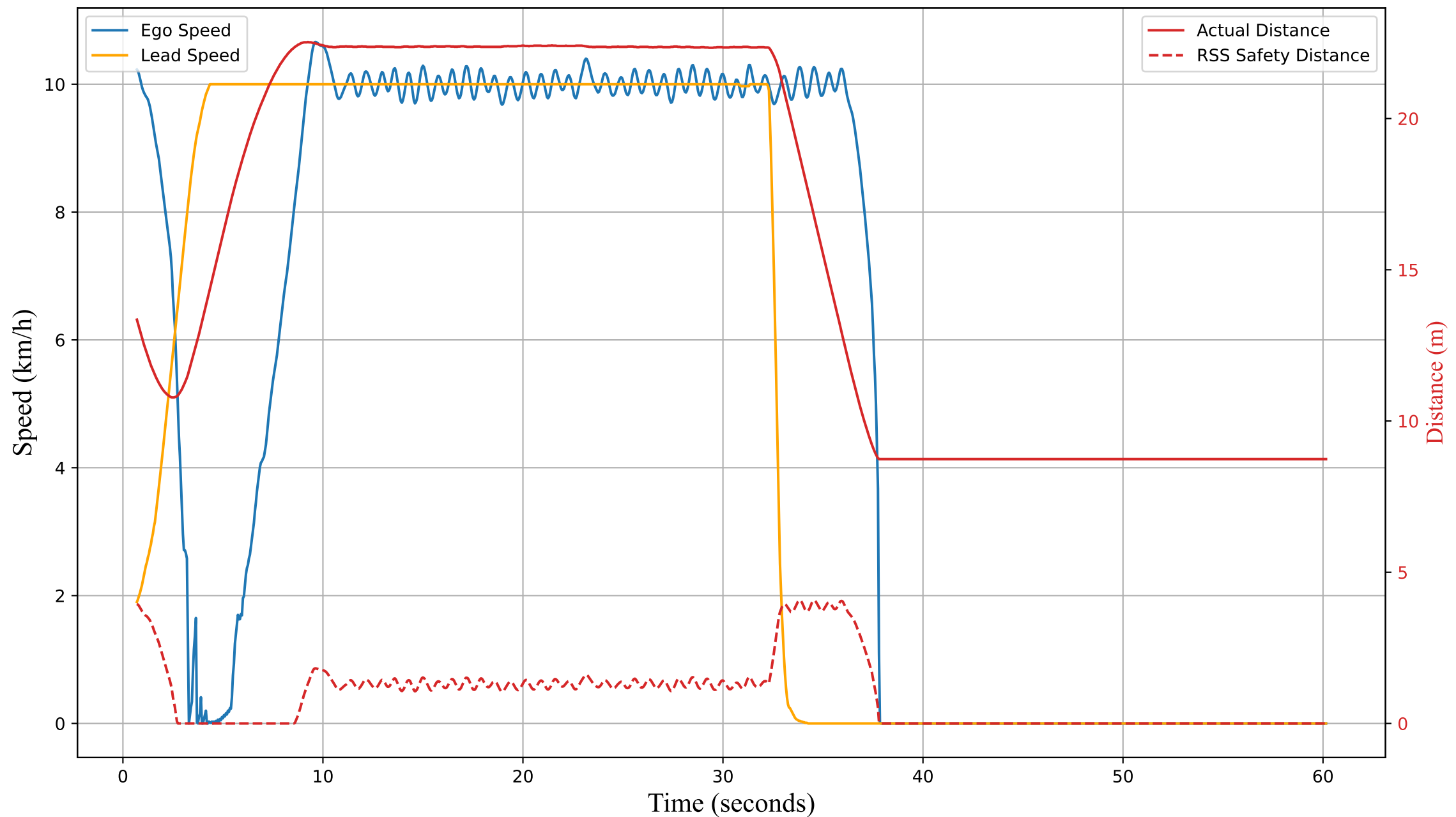


Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

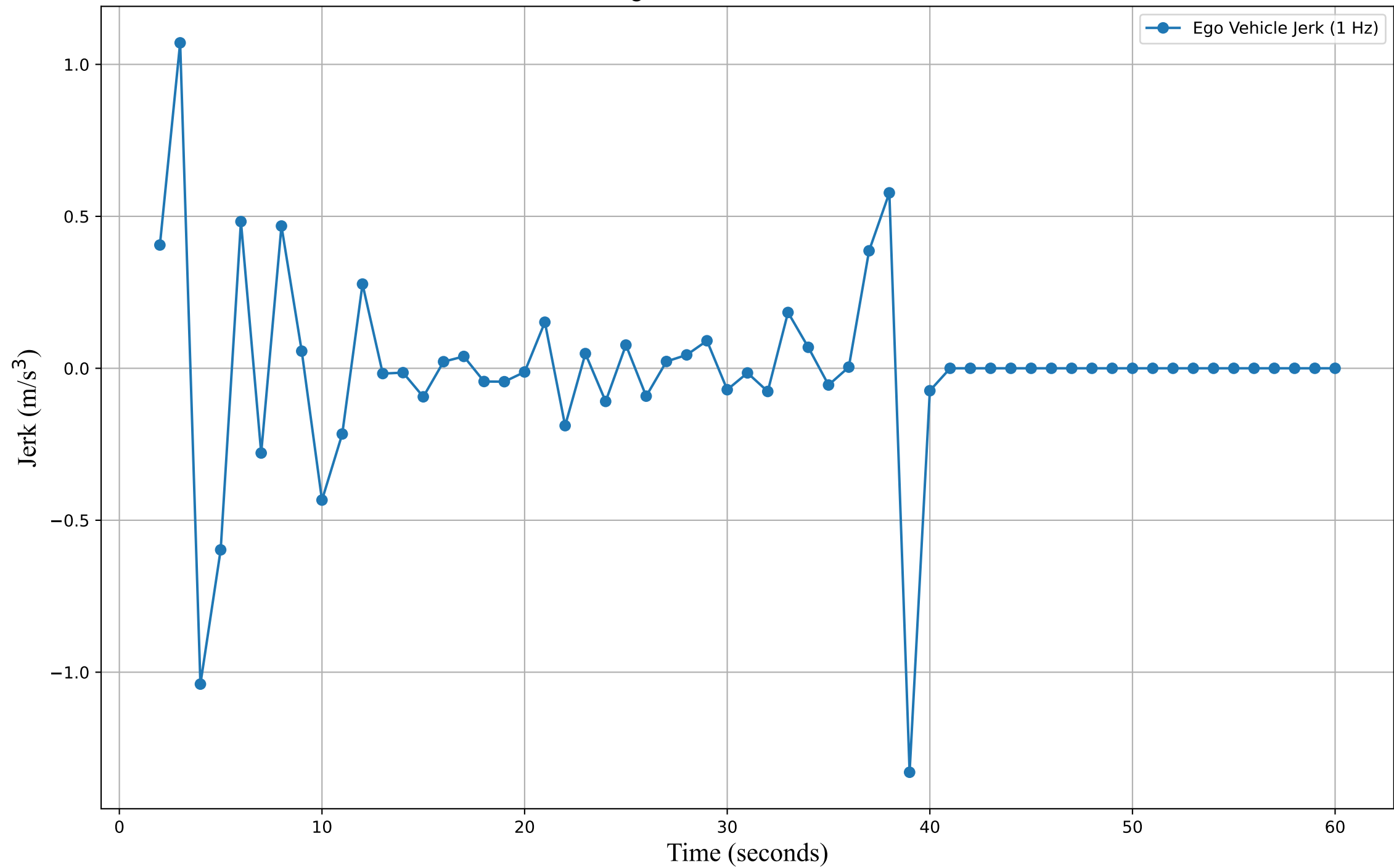


Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

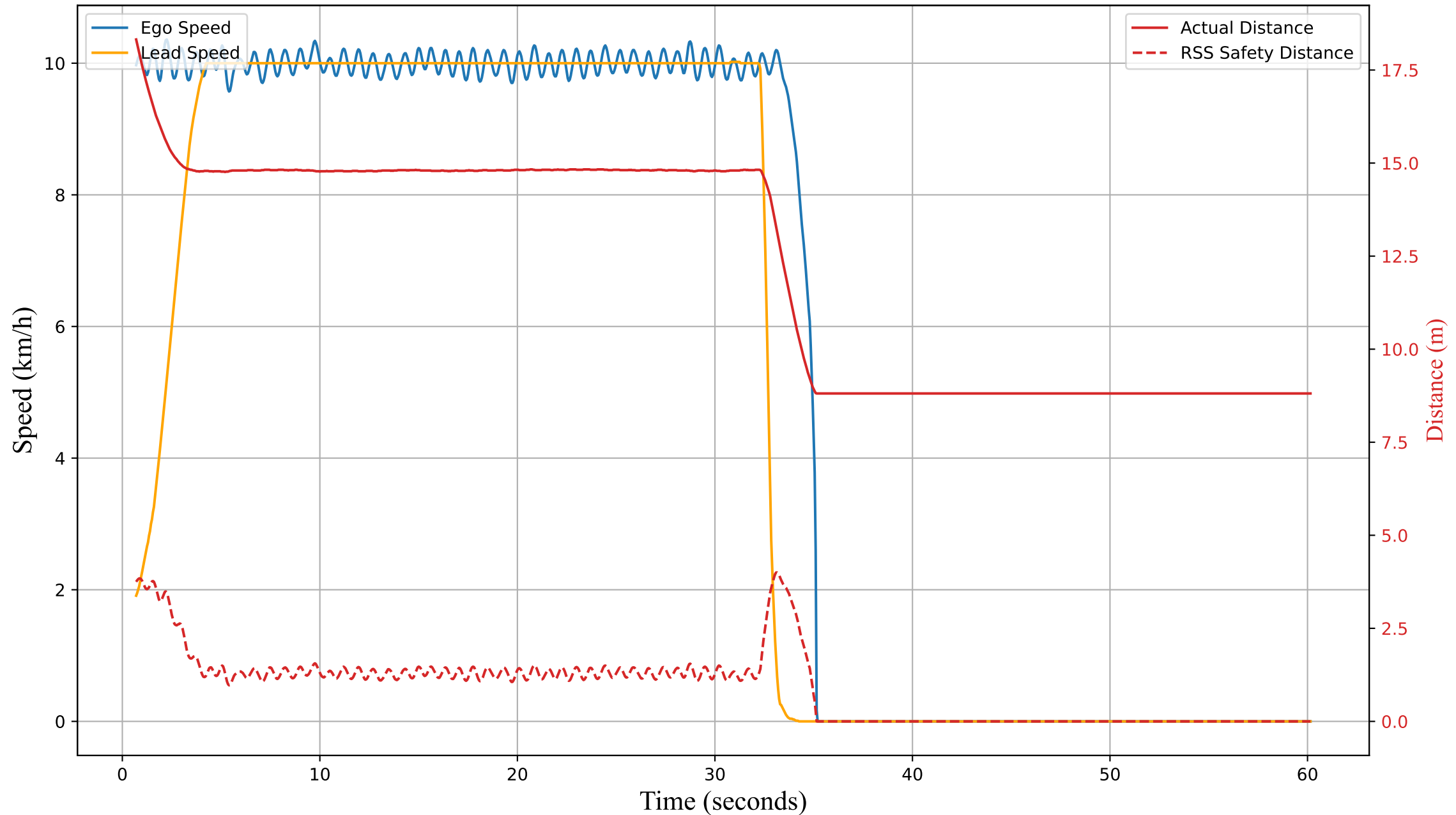


Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

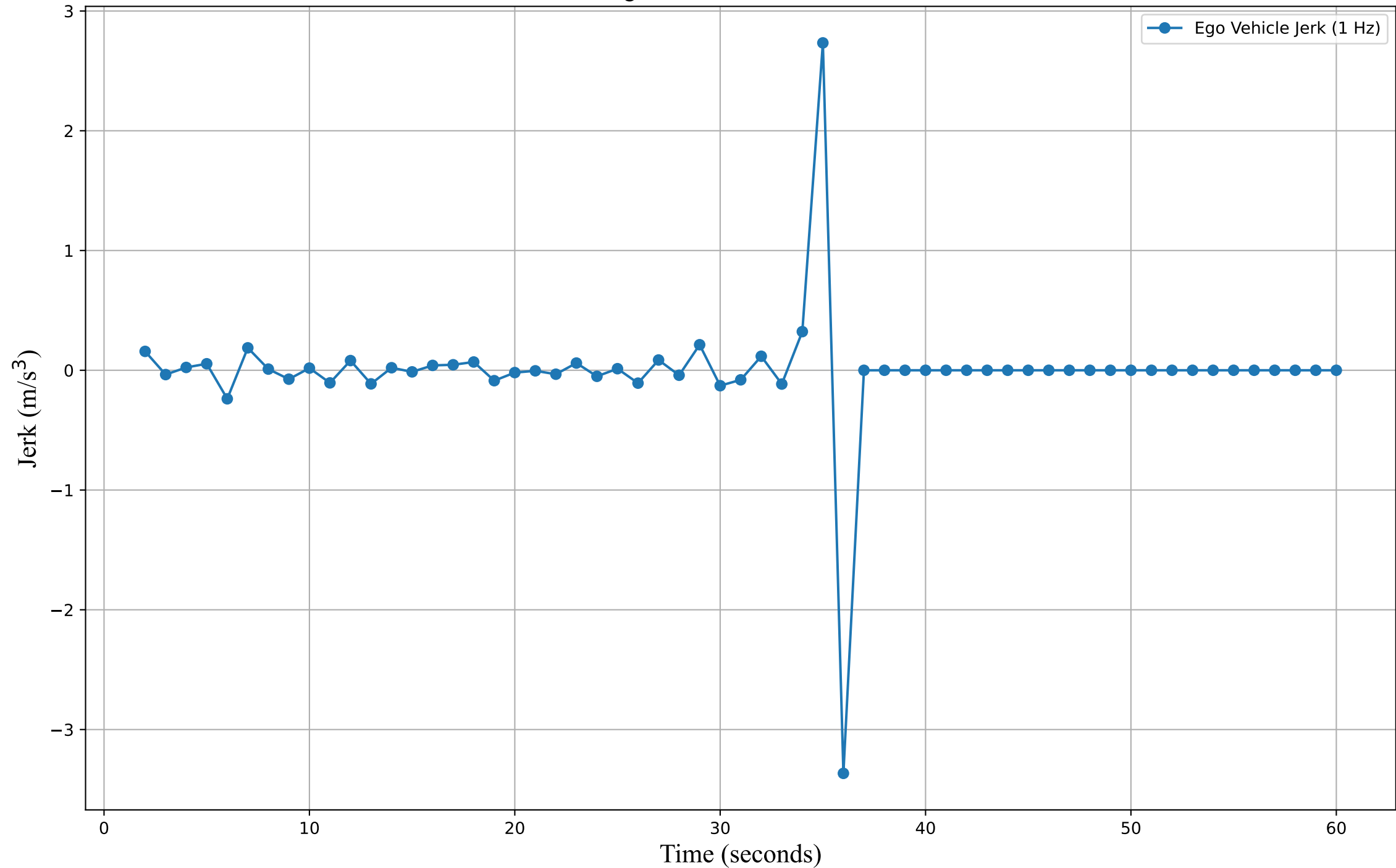


Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

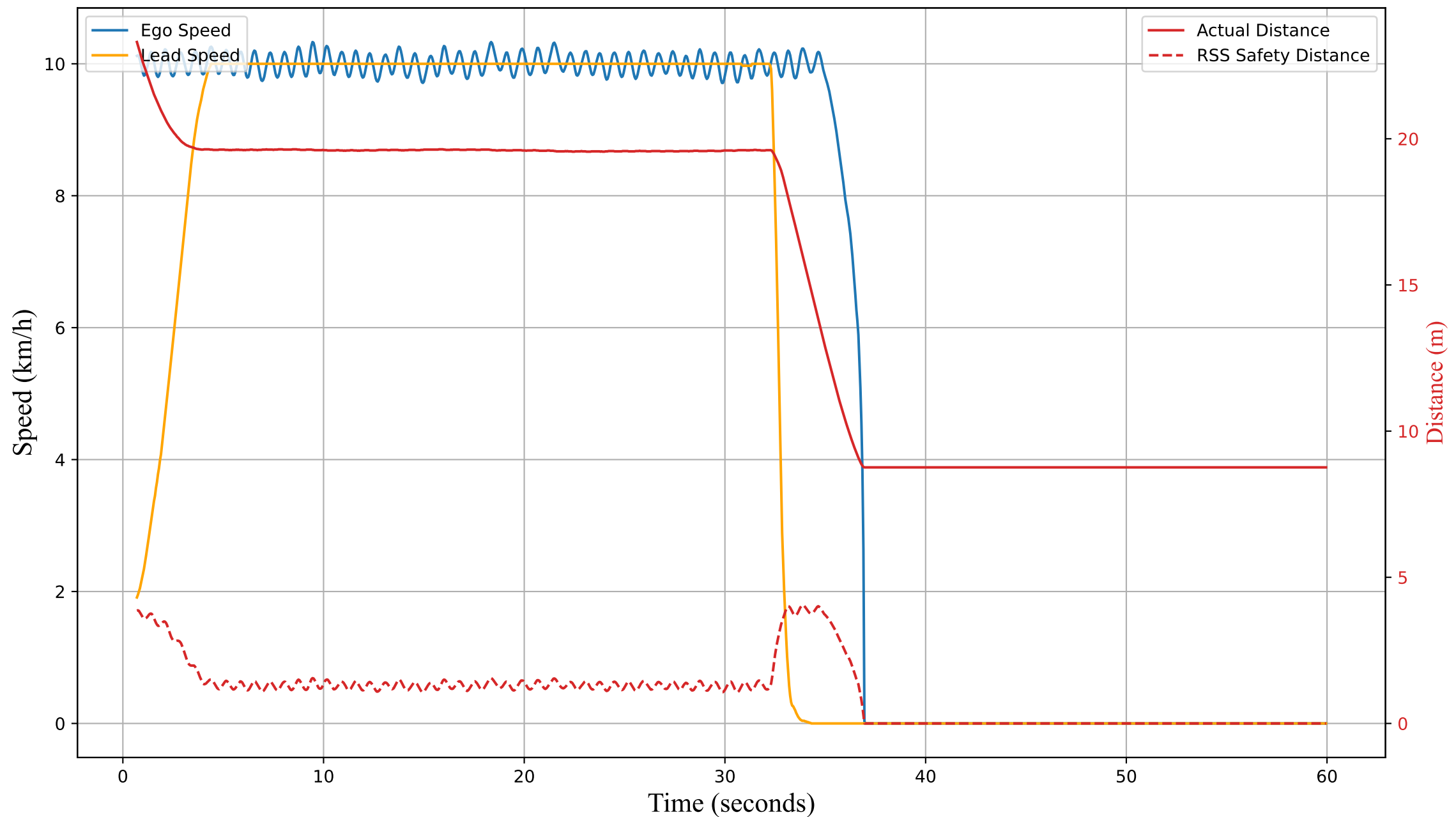


Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=20 m

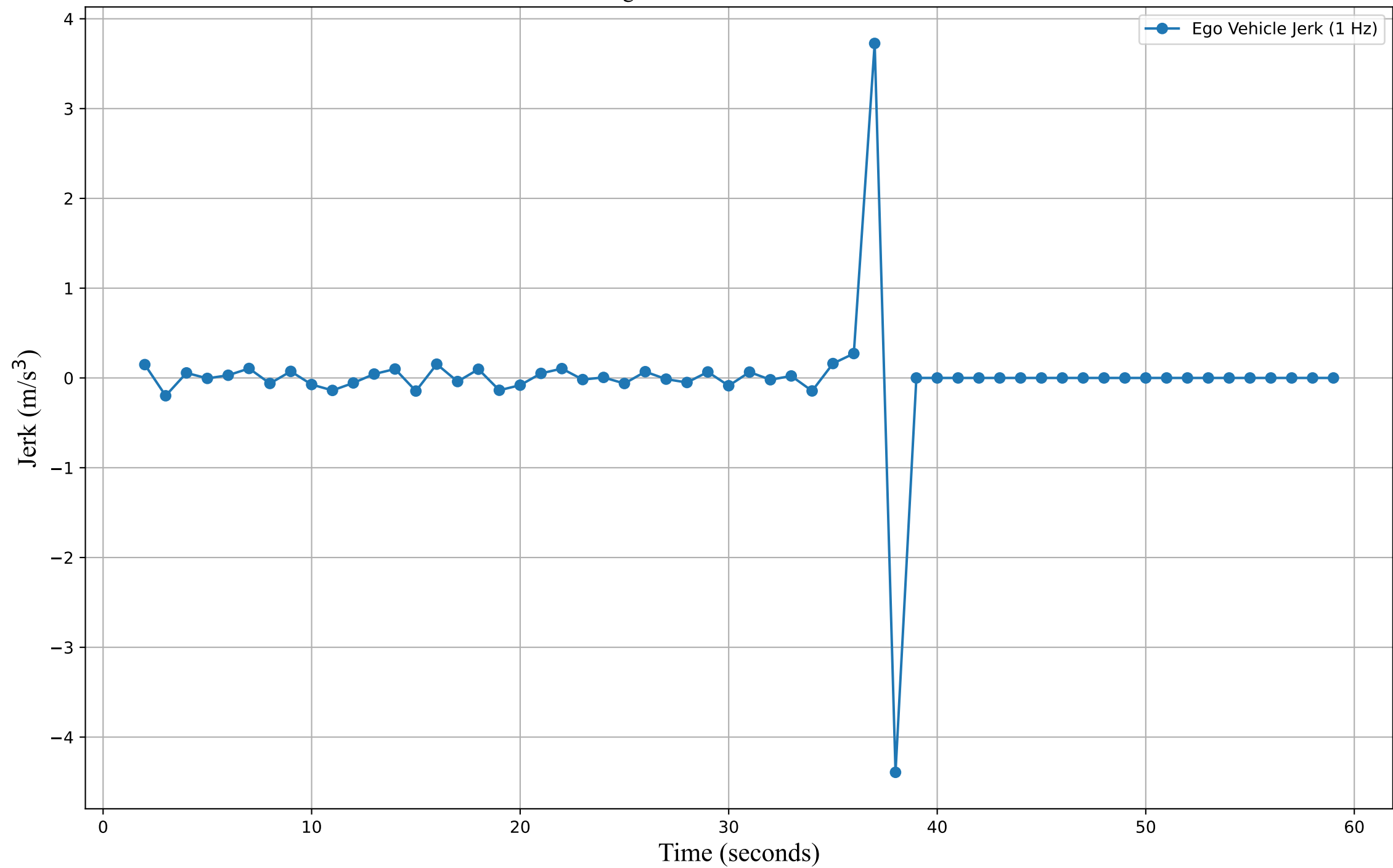
Ego Vehicle Jerk Over Time



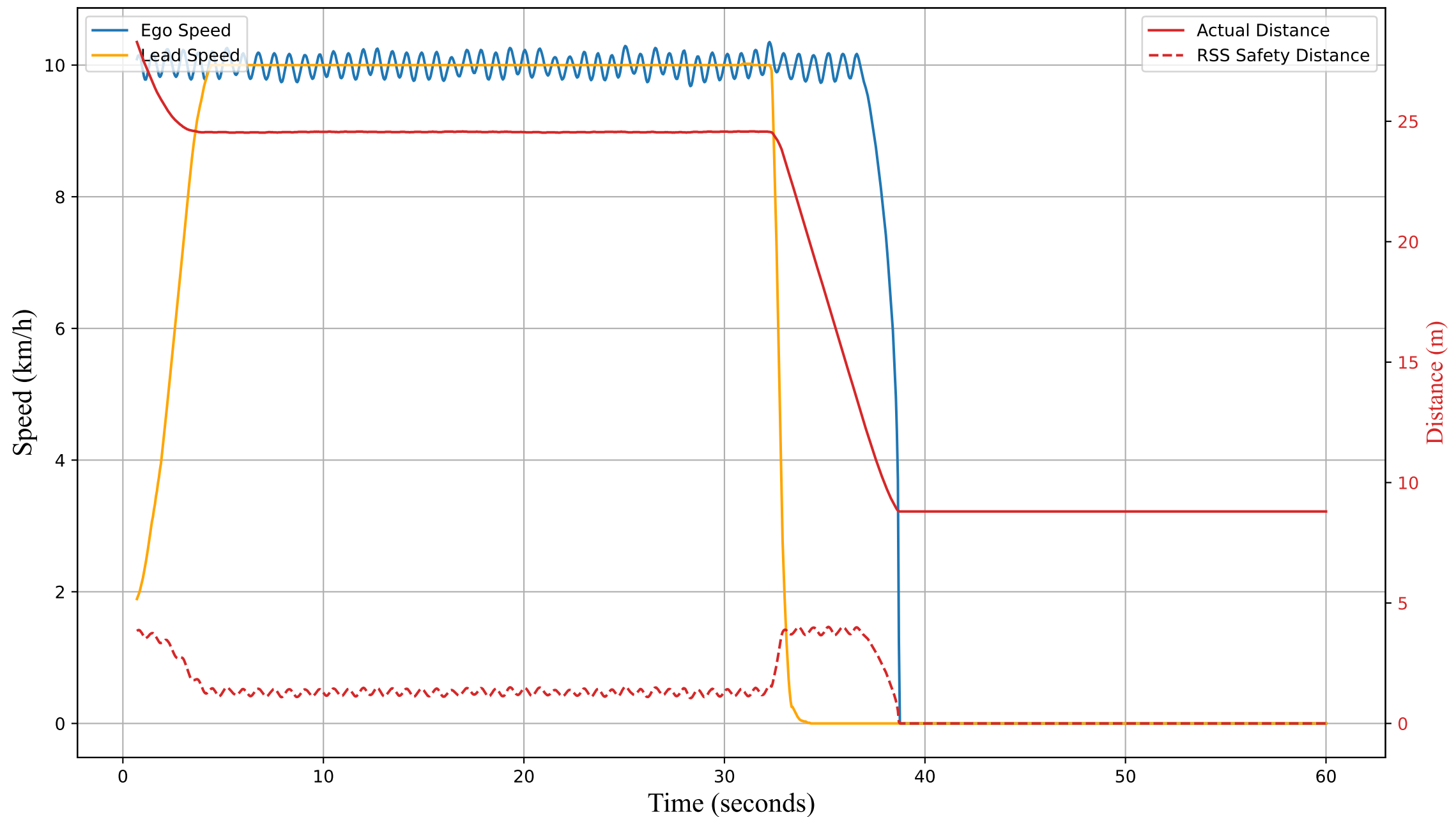
Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=25 m
Ego Vehicle Jerk Over Time

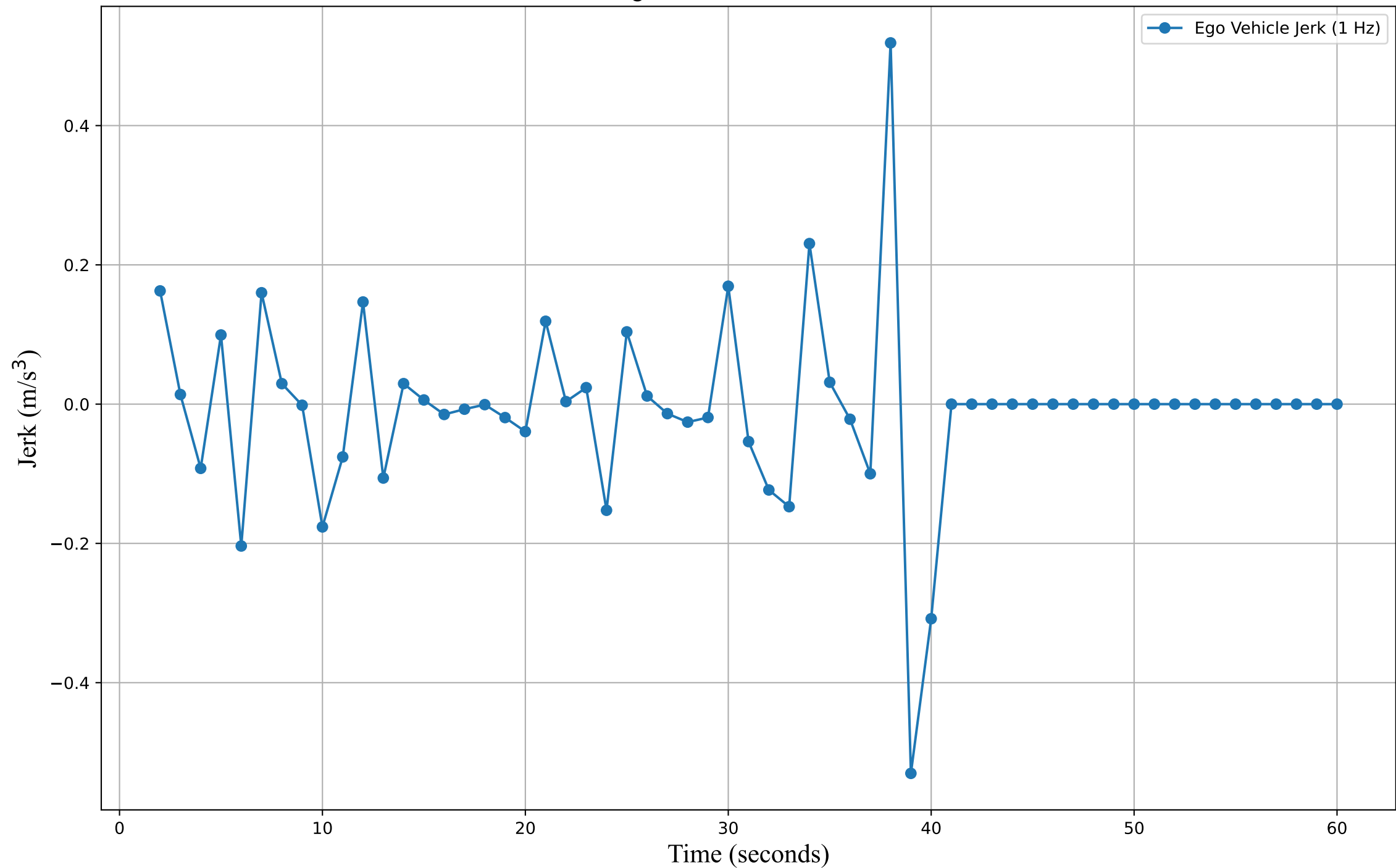


Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

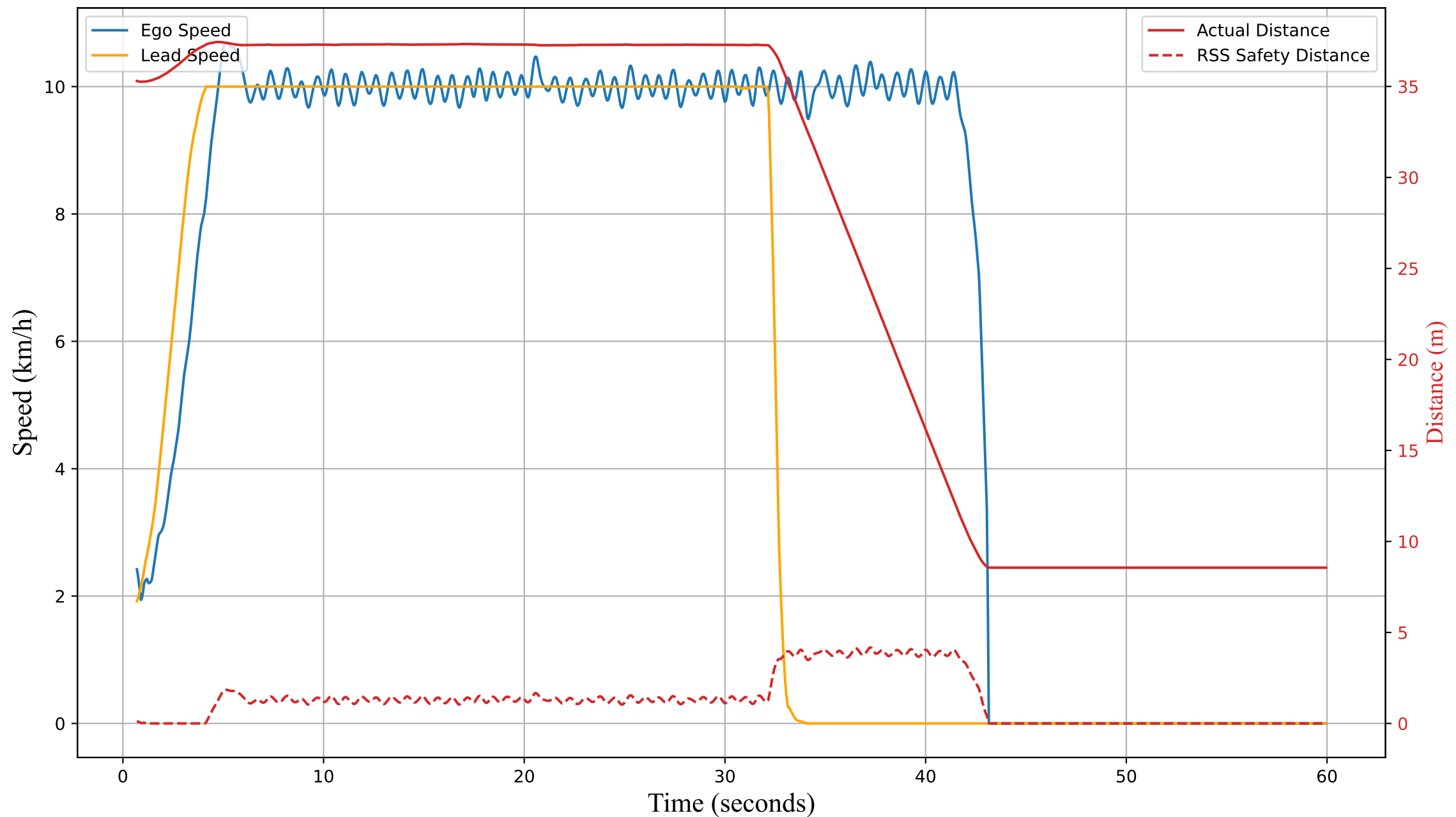


Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=30 m

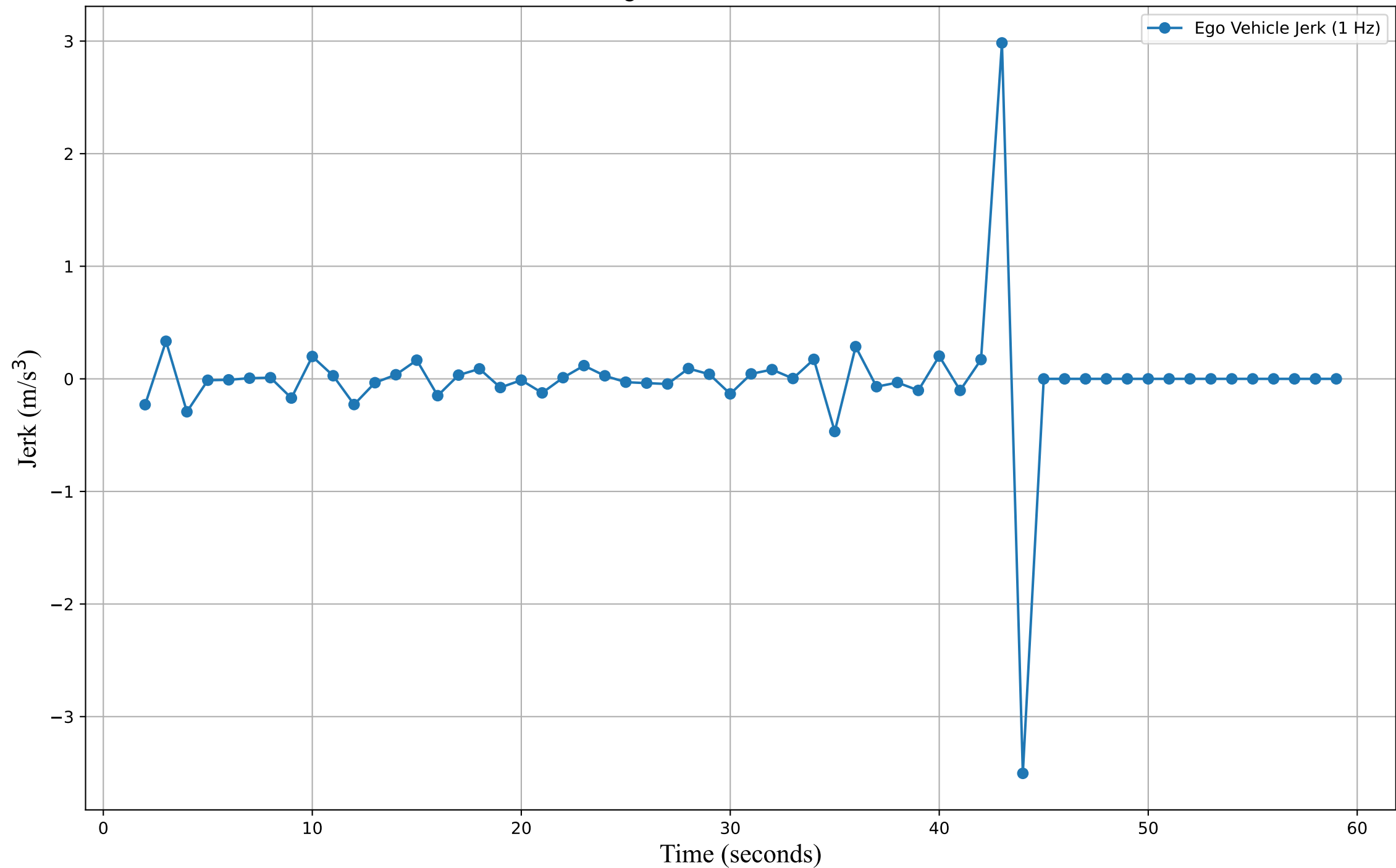
Ego Vehicle Jerk Over Time



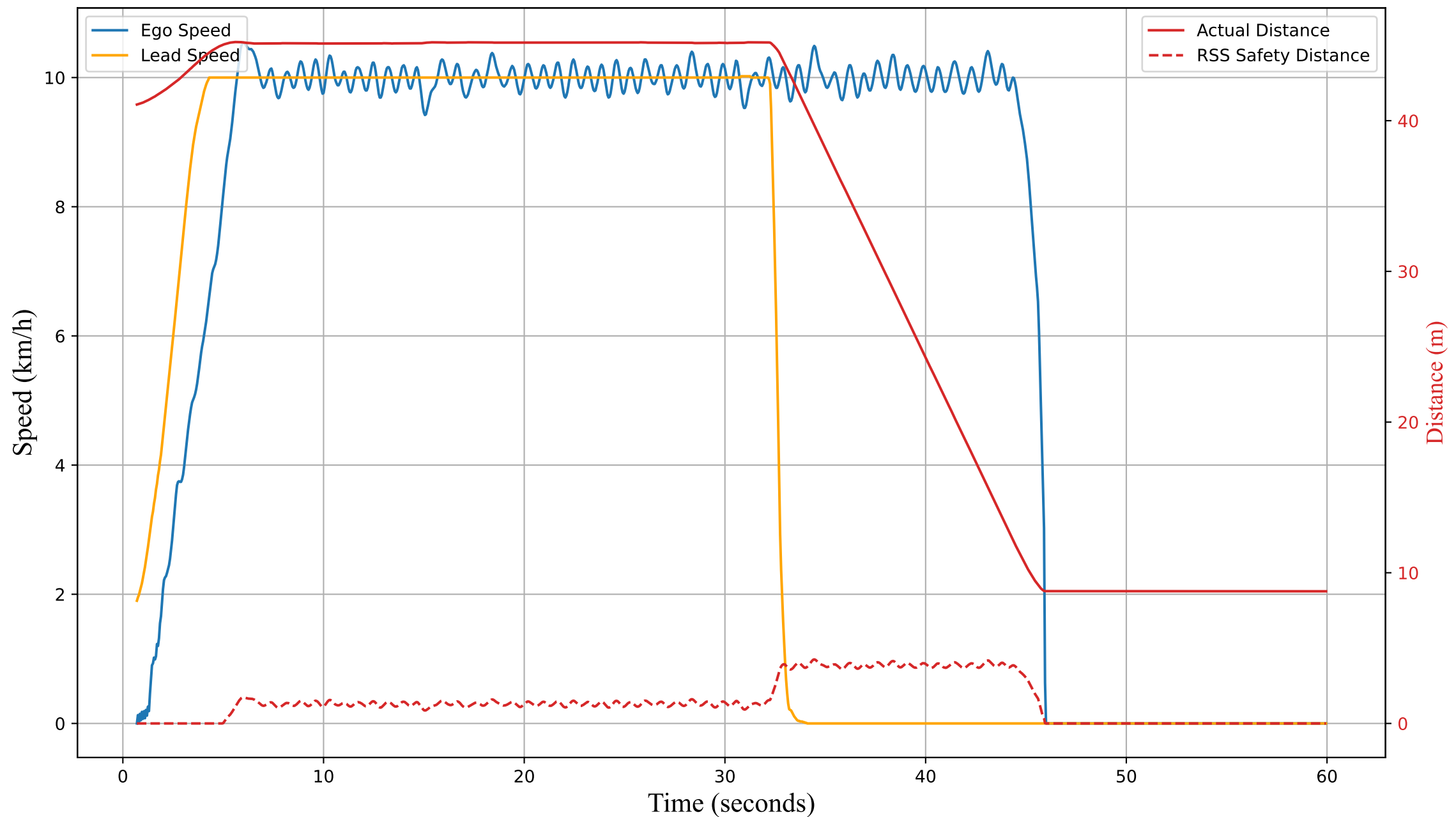
Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=35 m
Ego Vehicle Jerk Over Time

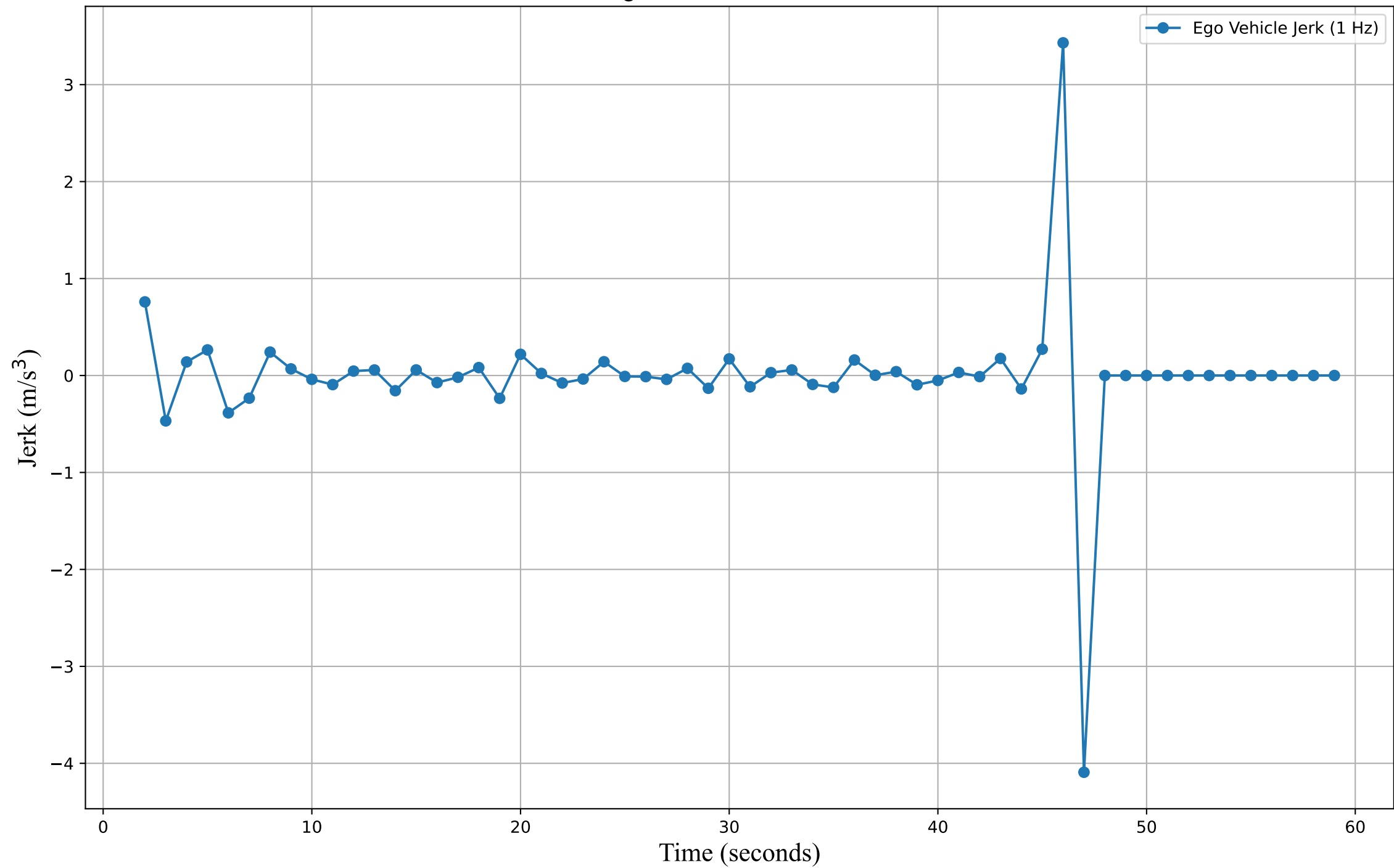


Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

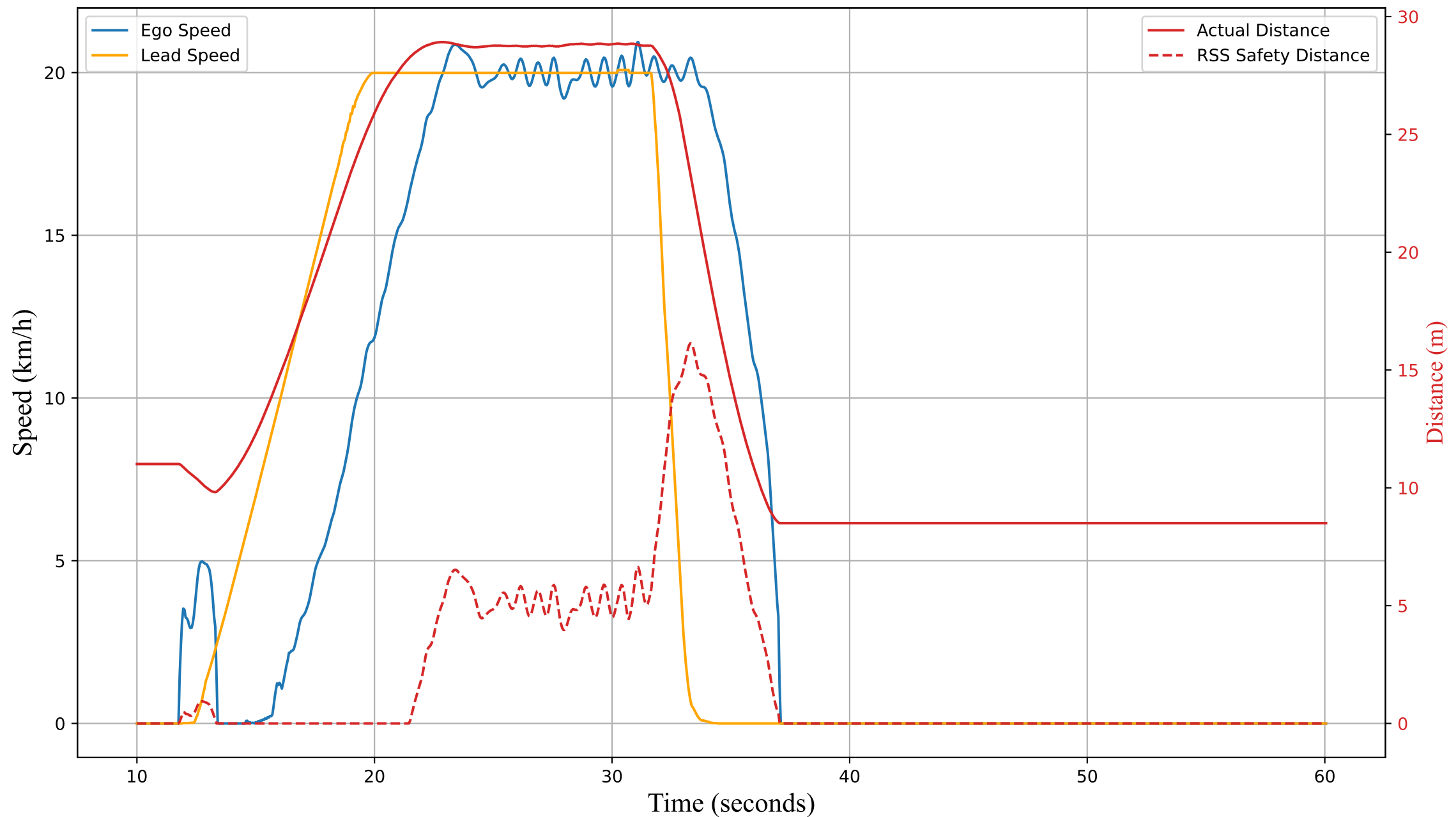


Ego Vehicle Speed=10 km/h, Lead Vehicle Speed=10 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

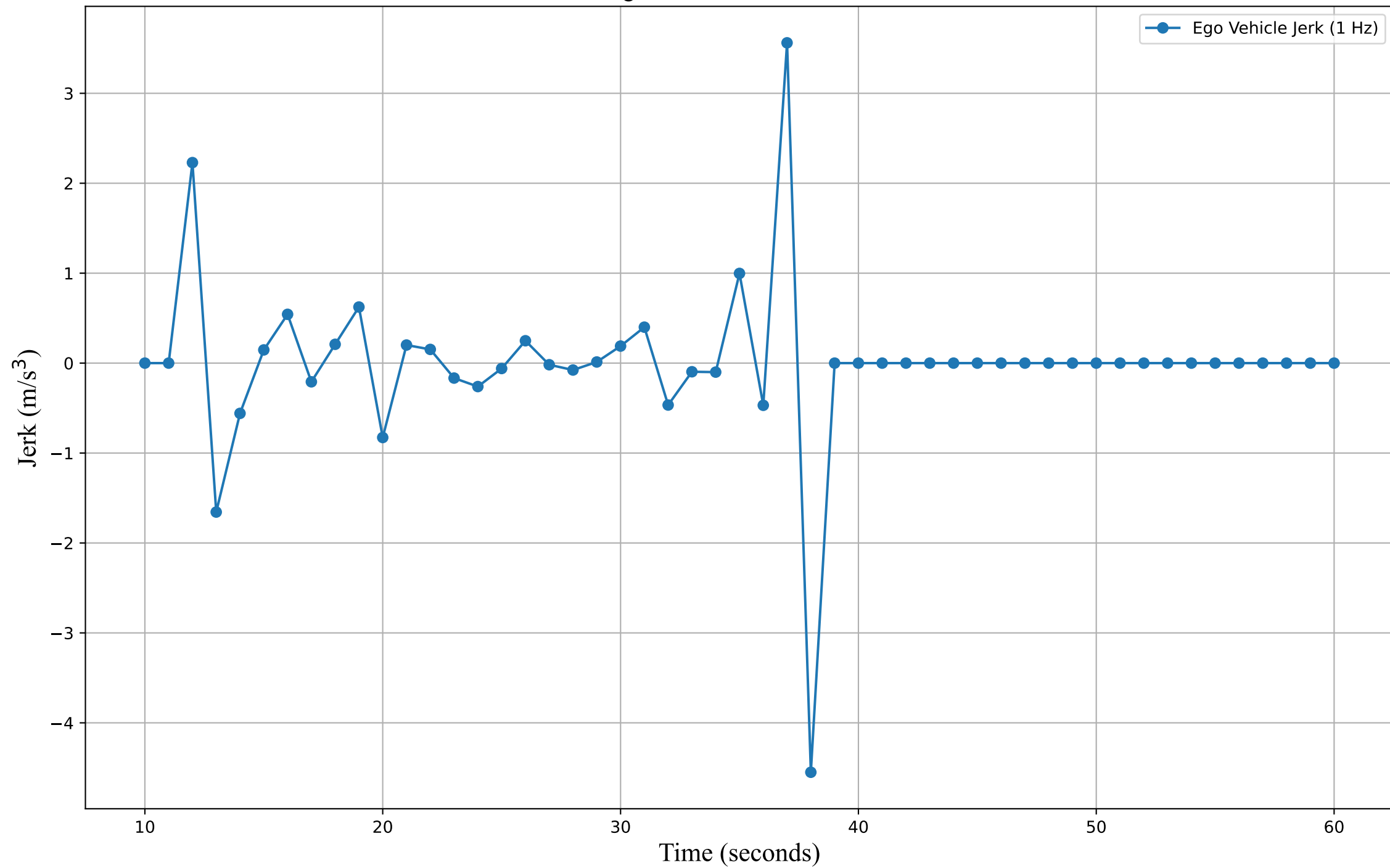


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

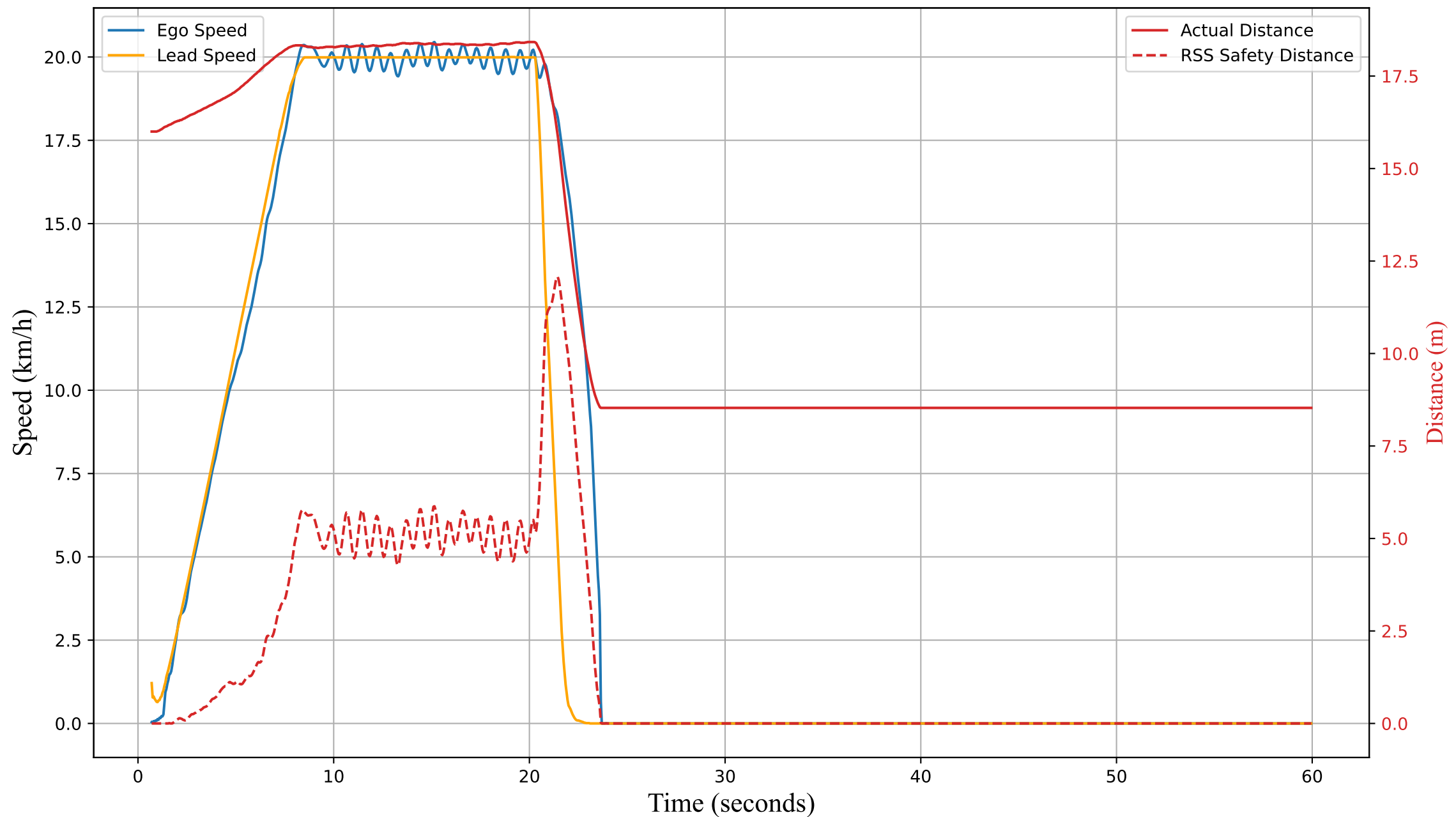


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

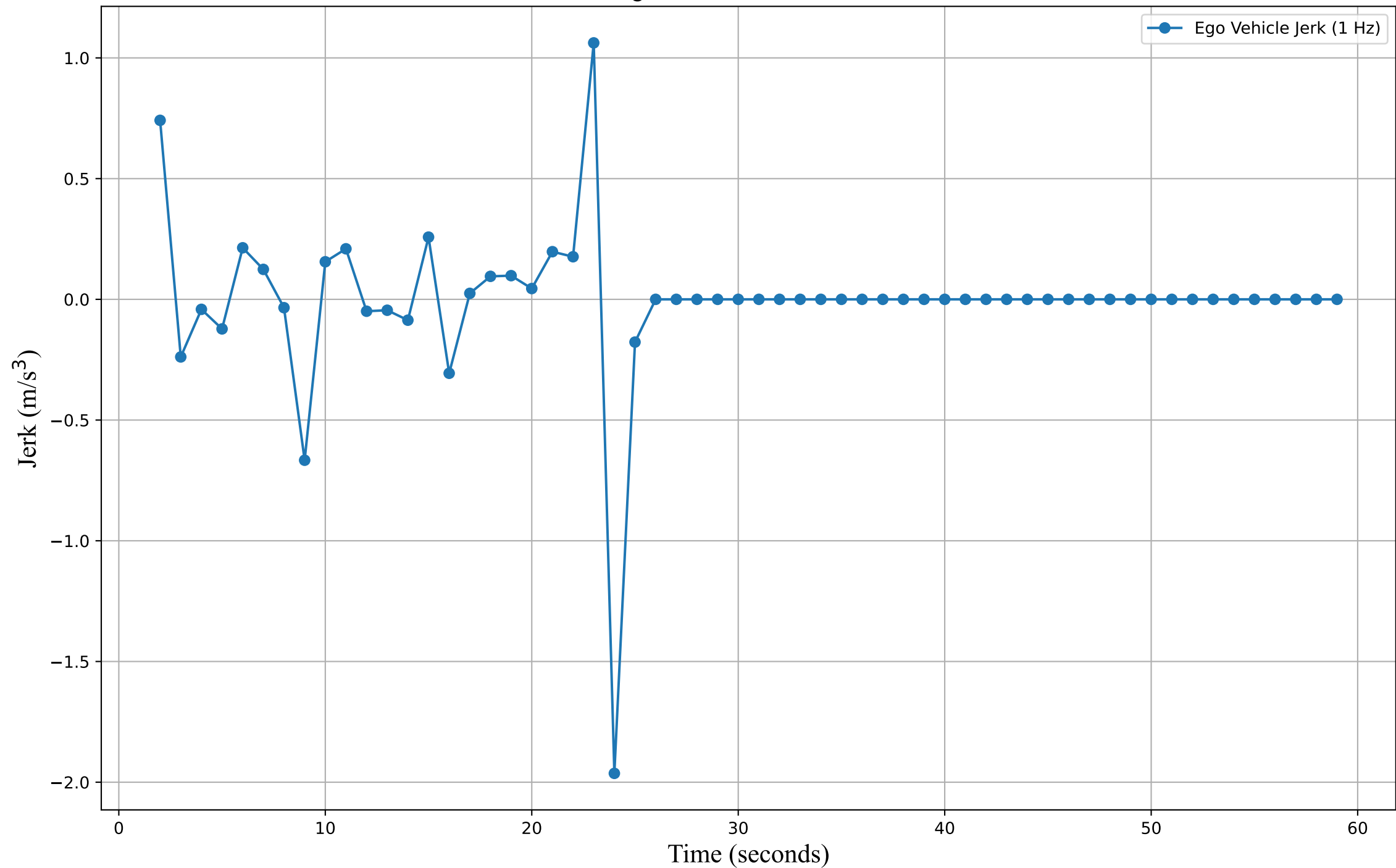


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

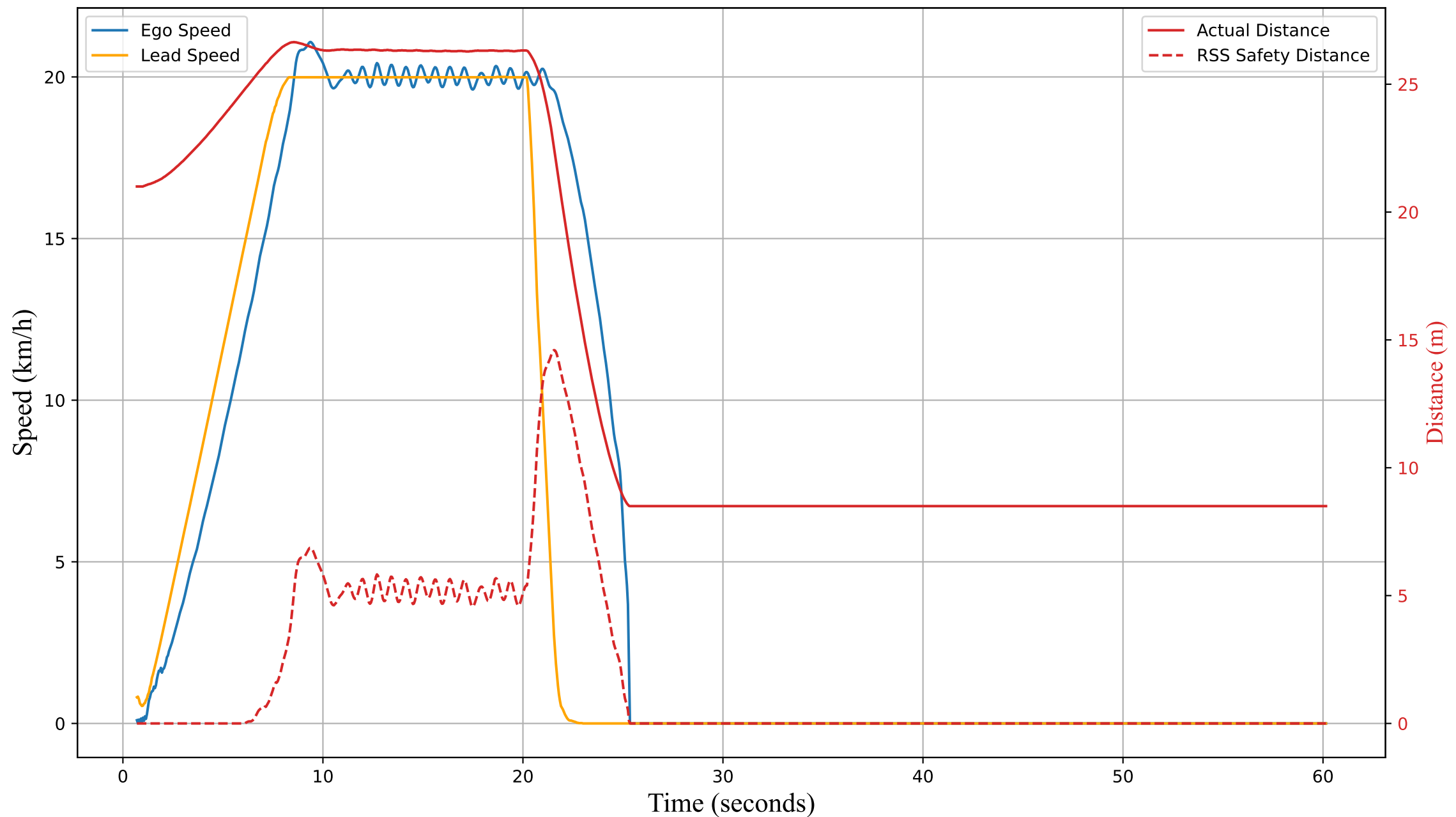


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

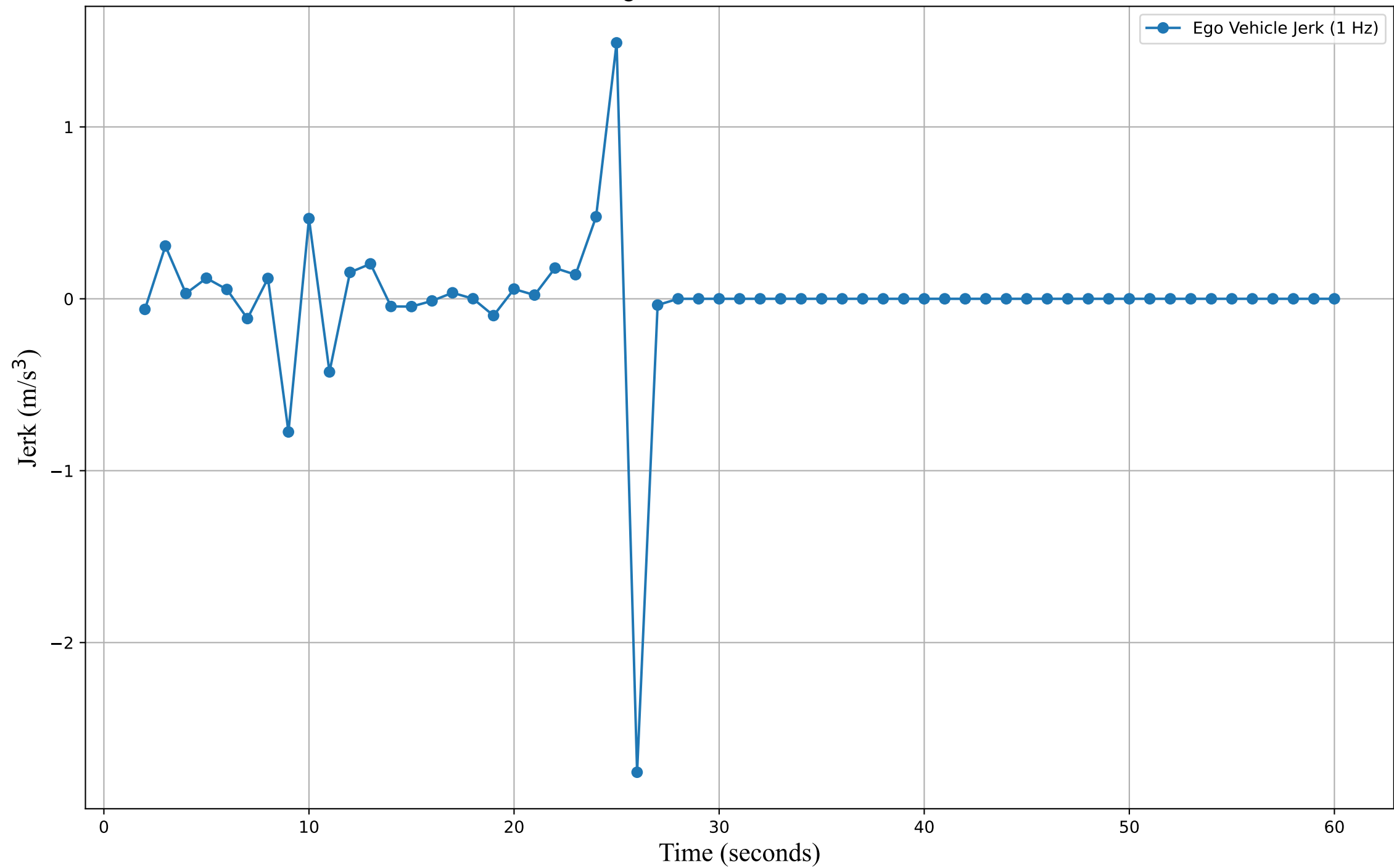


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

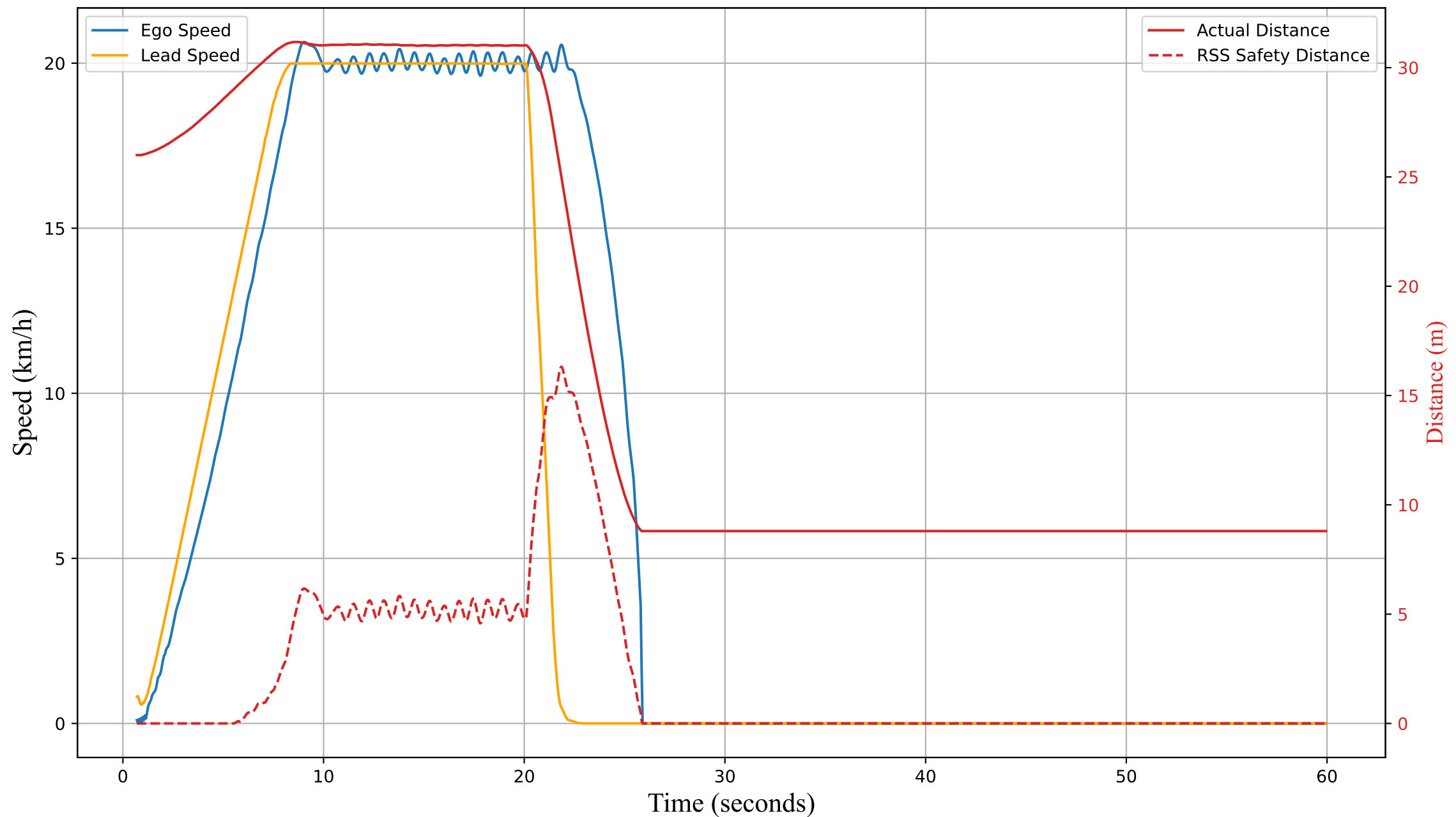


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

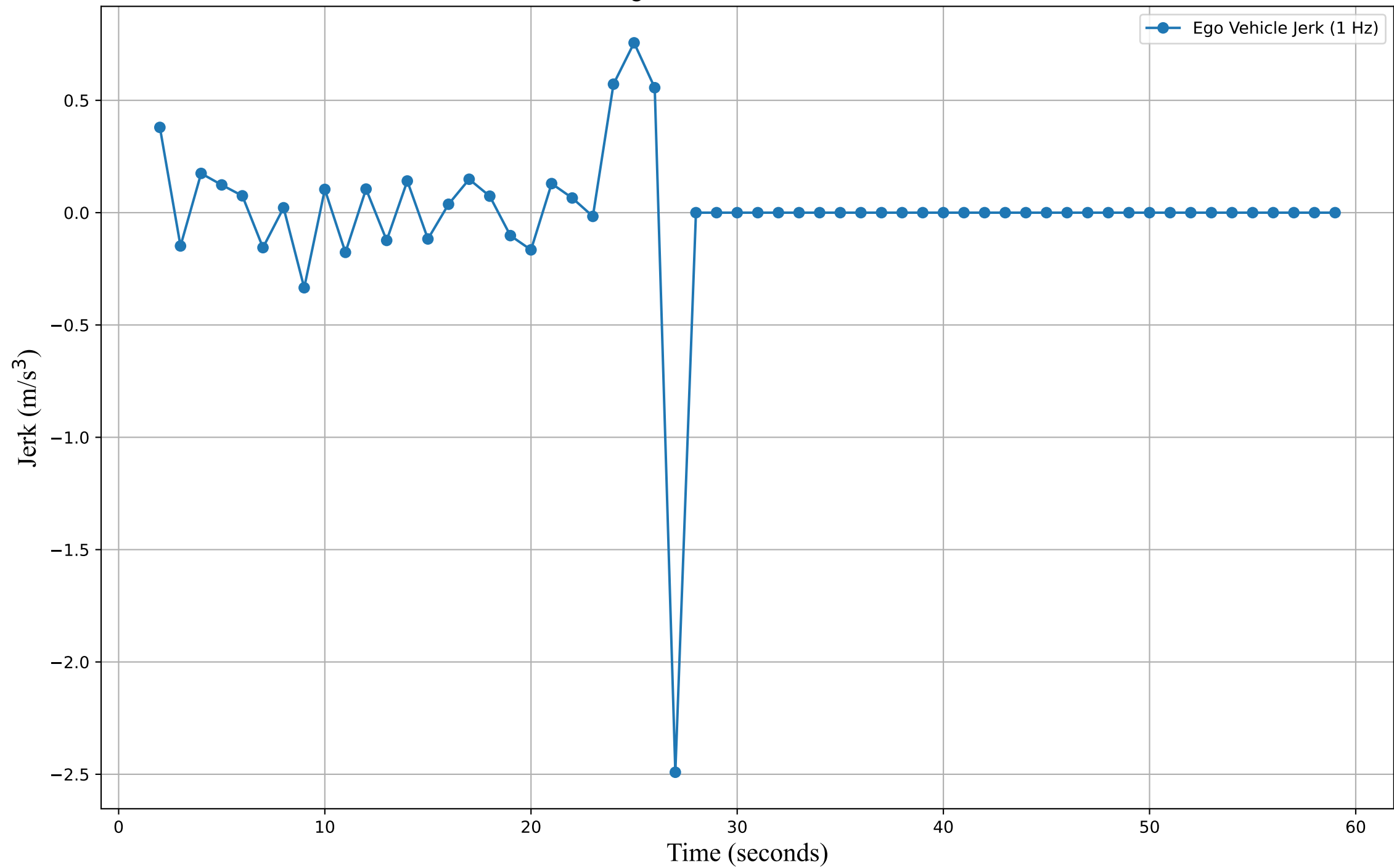


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

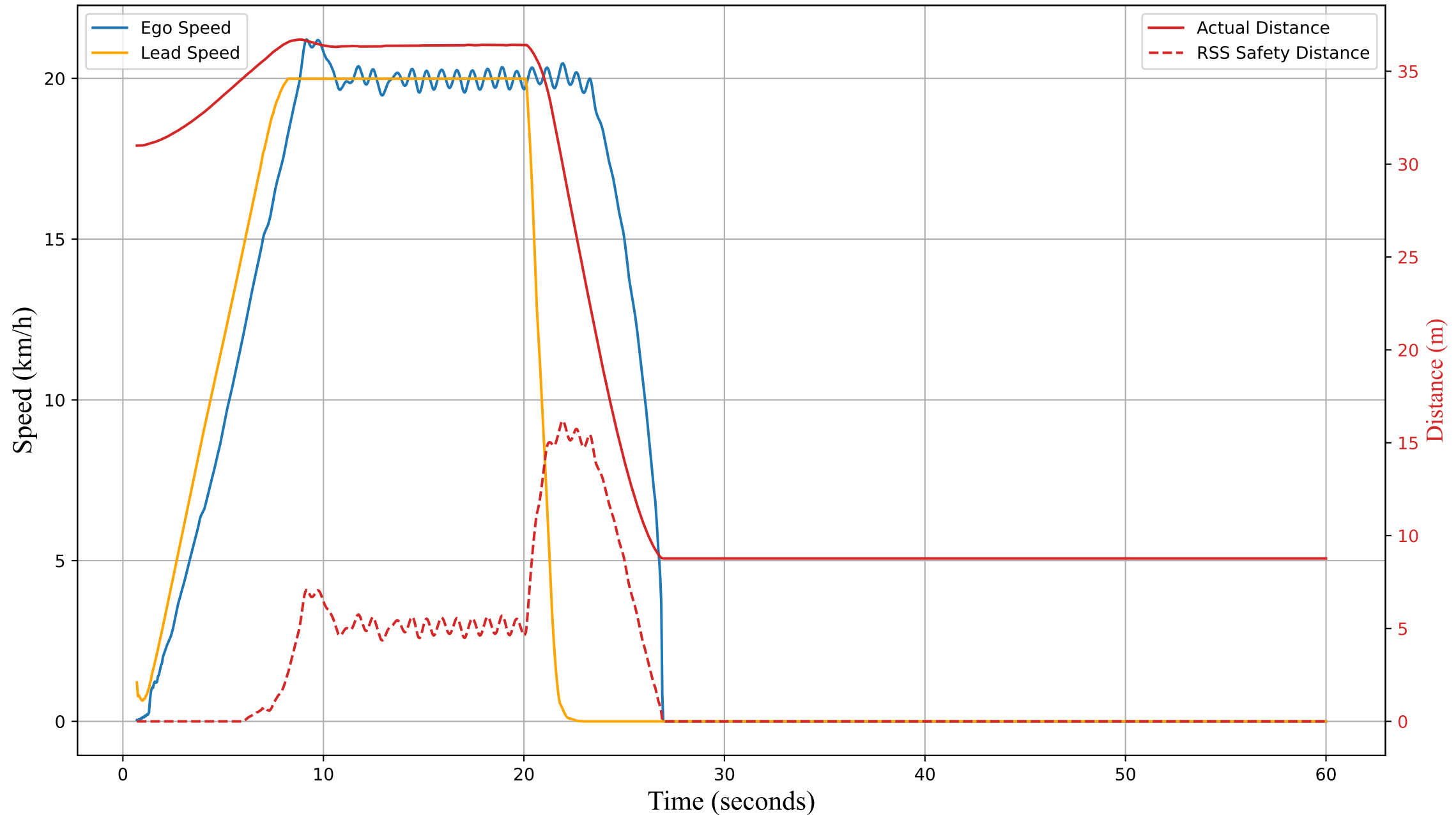


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

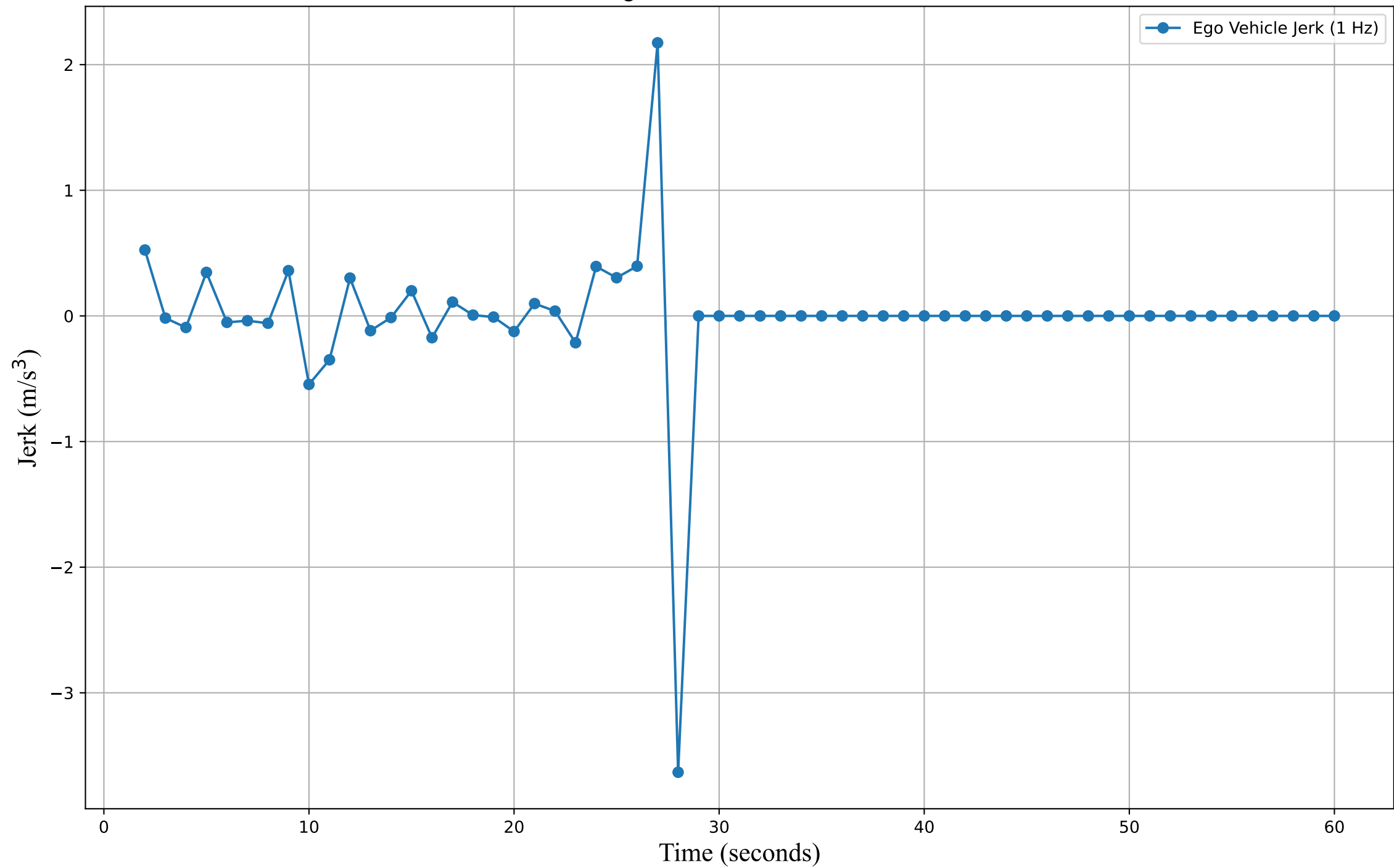


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

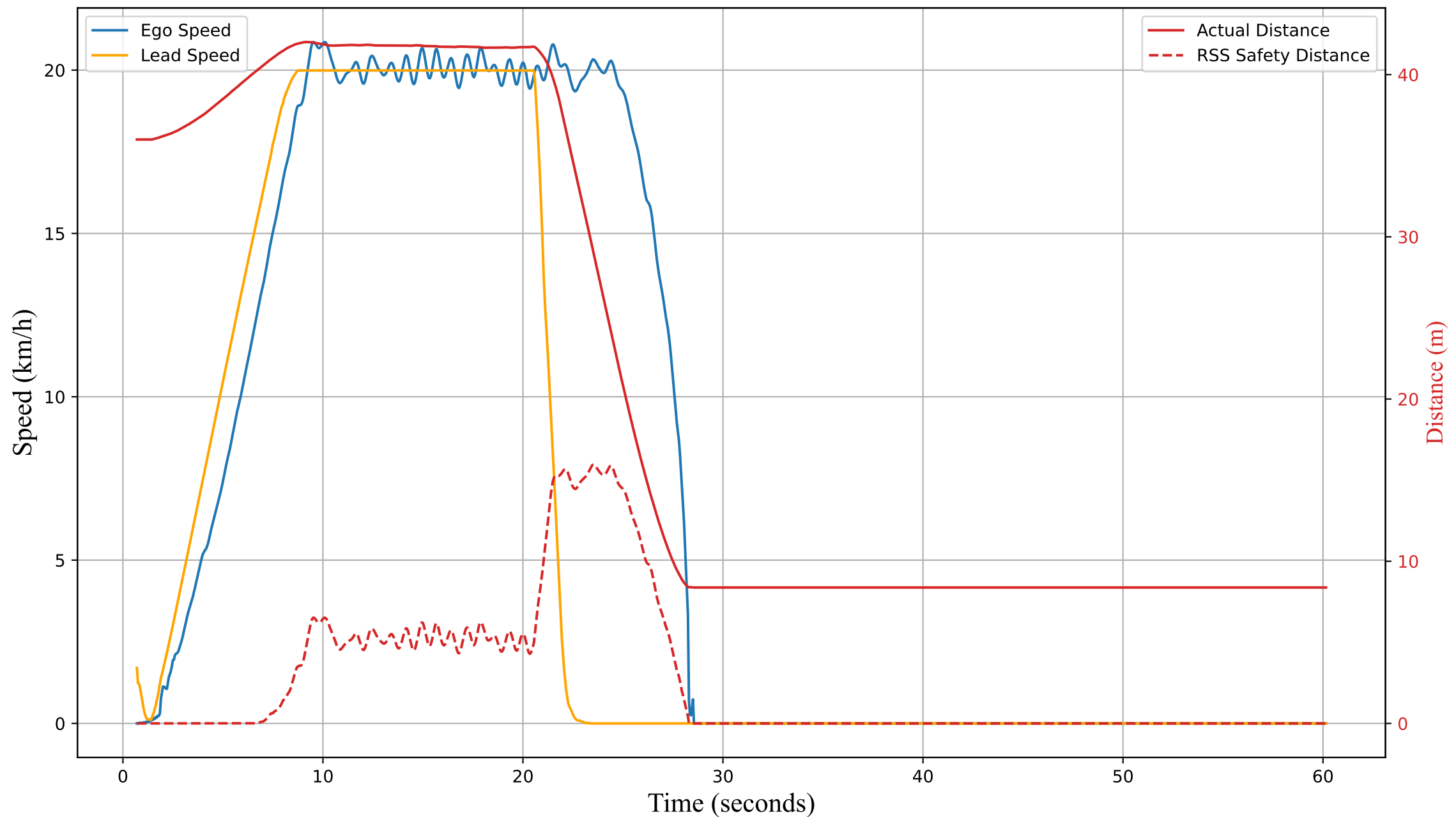


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

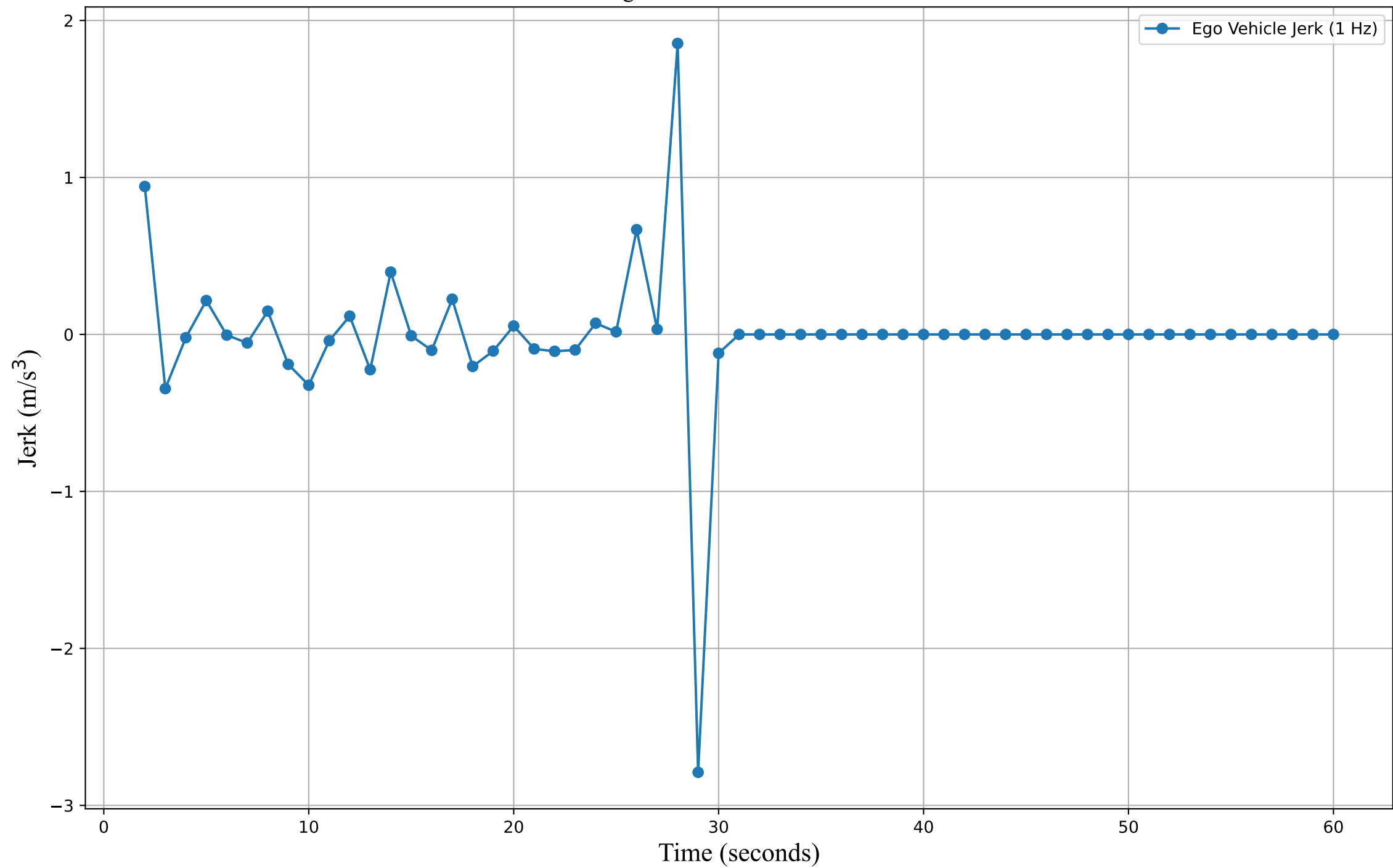


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

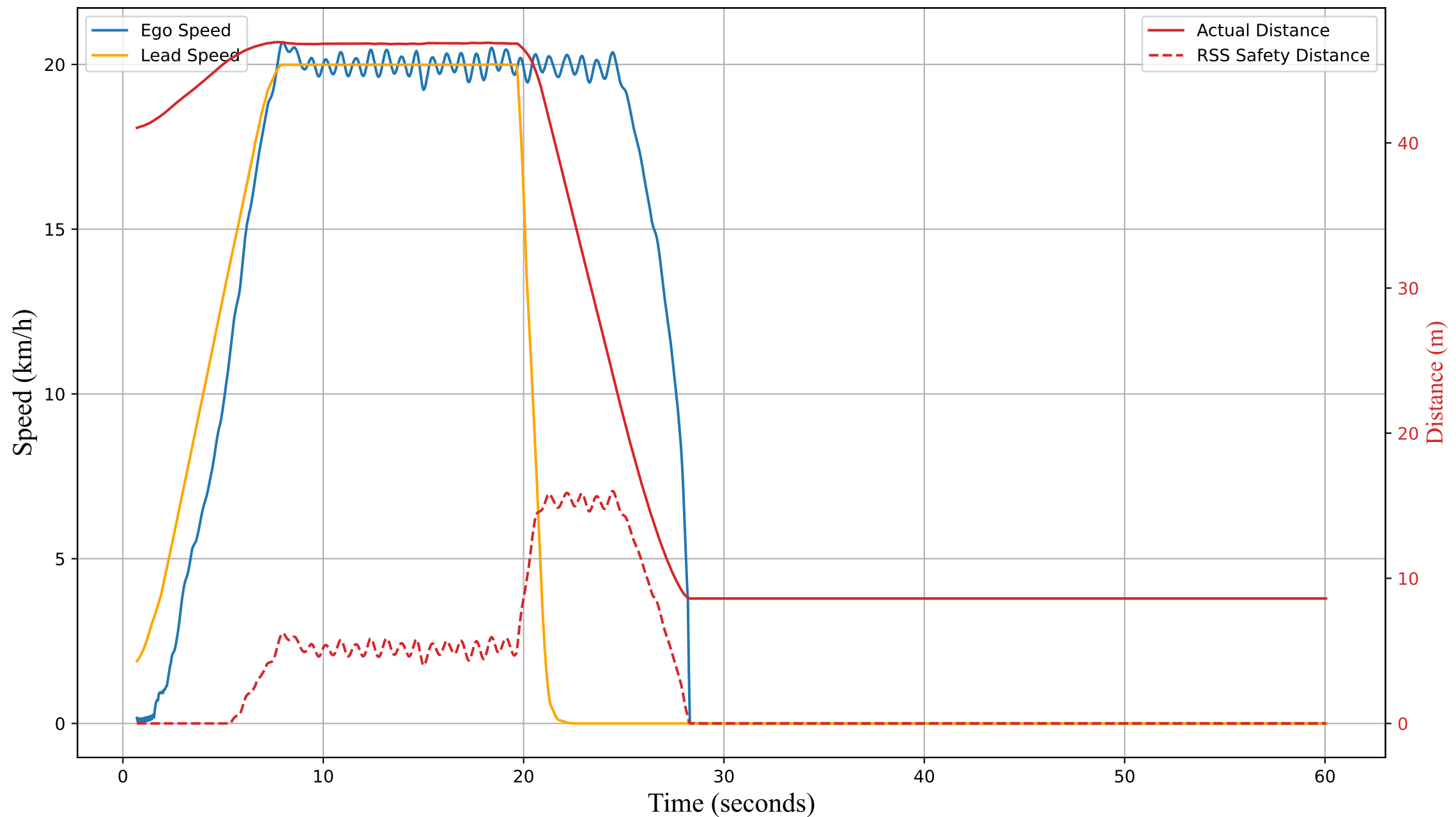


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time

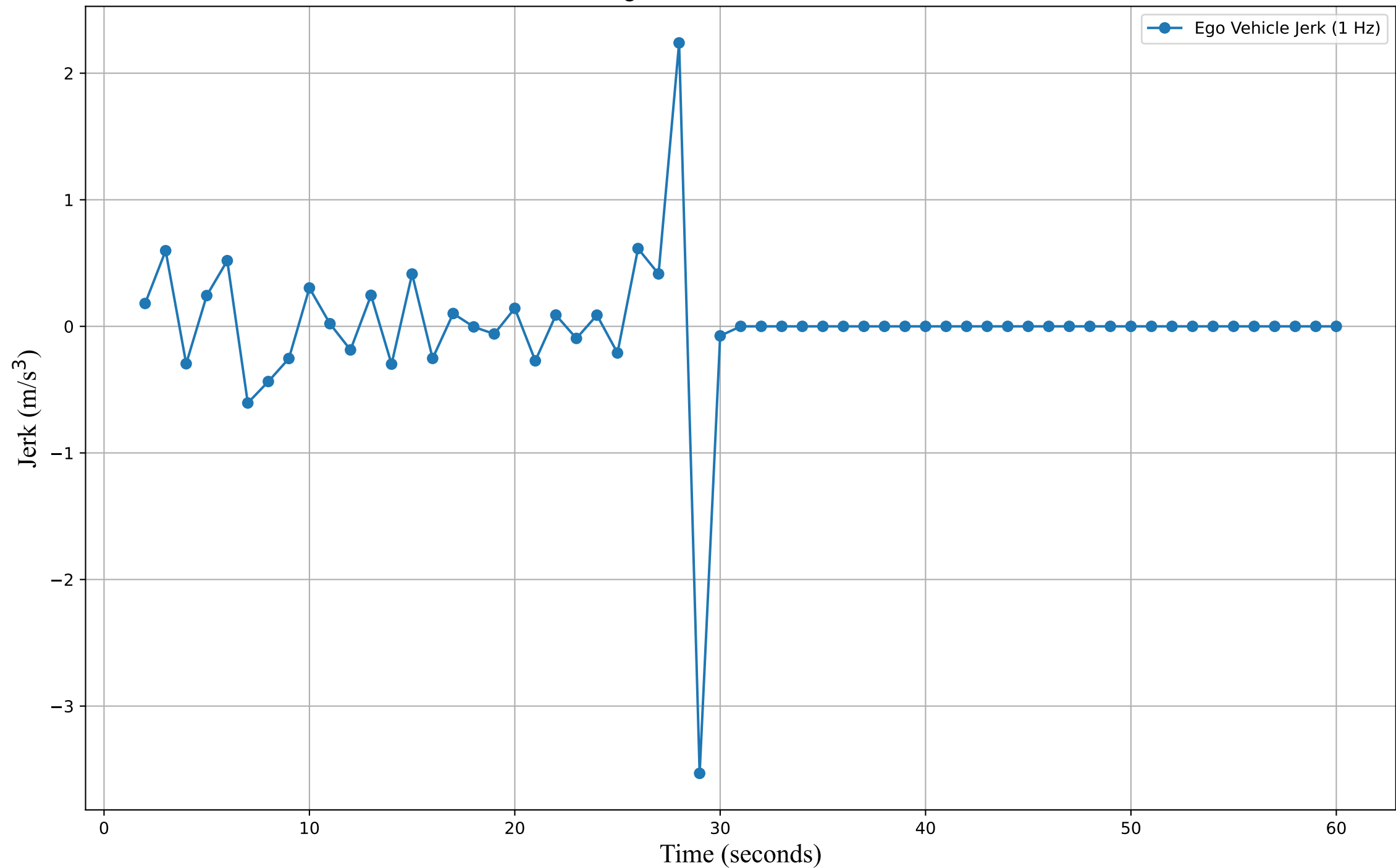


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

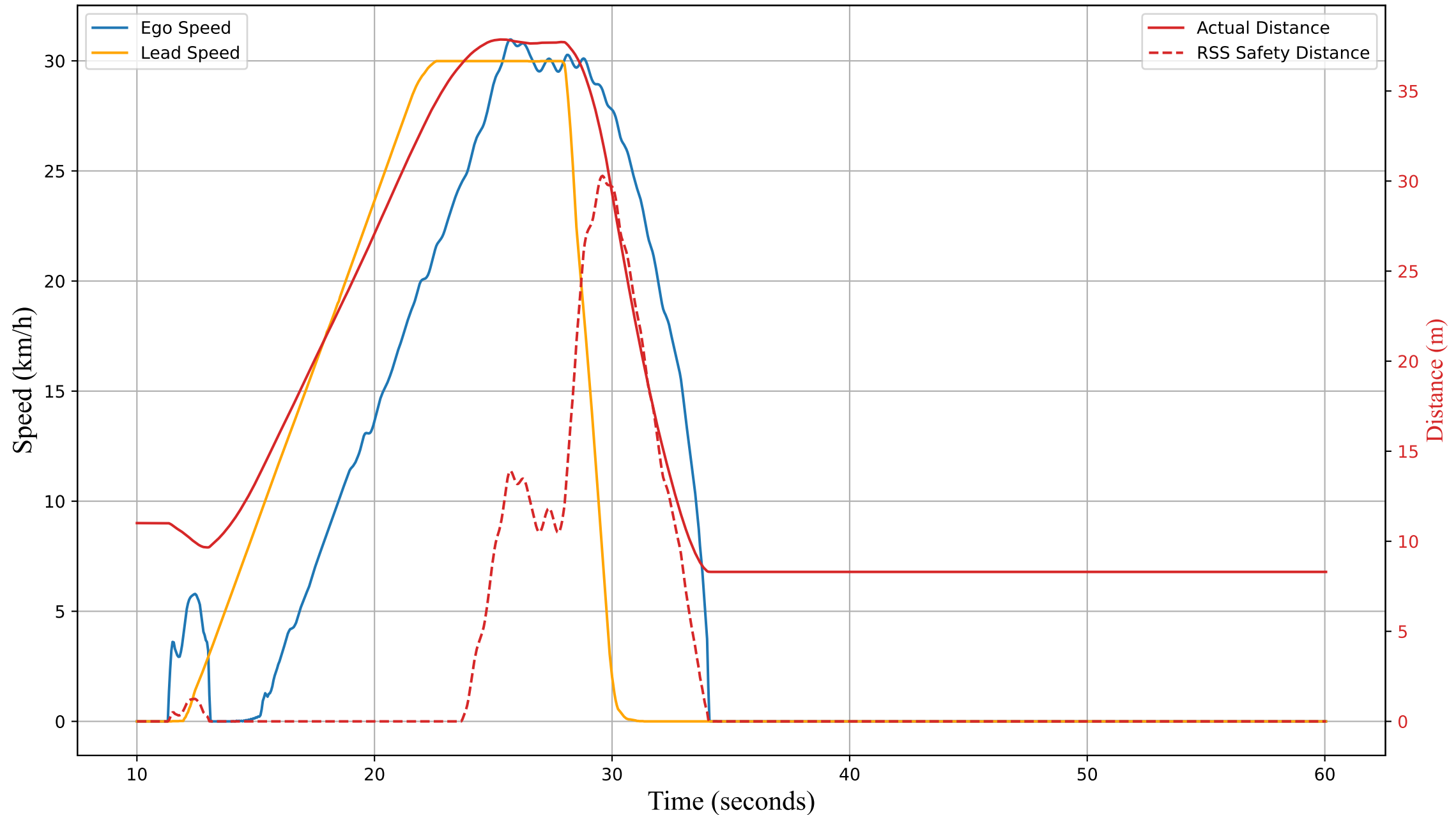


Ego Vehicle Speed=20 km/h, Lead Vehicle Speed=20 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

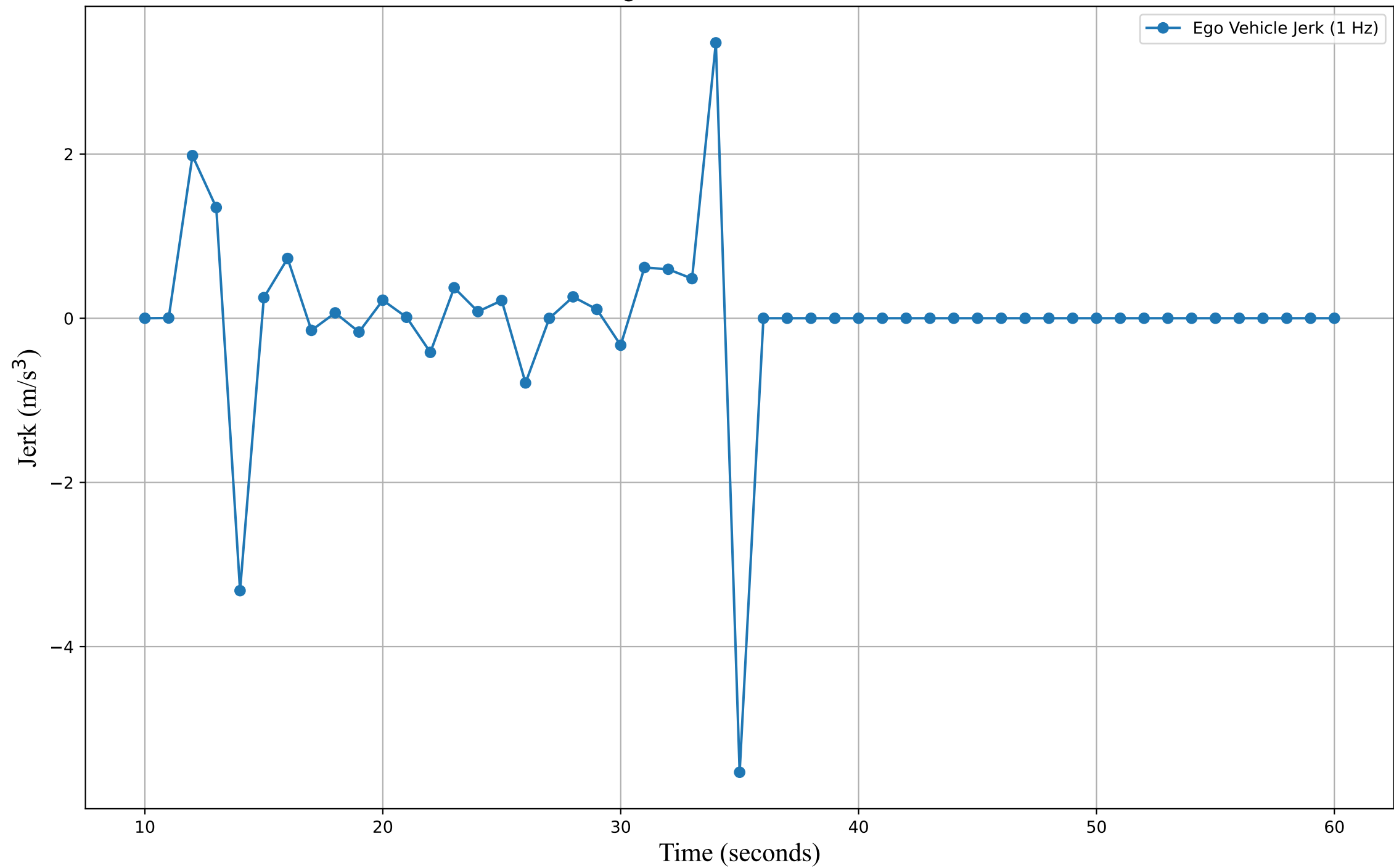


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

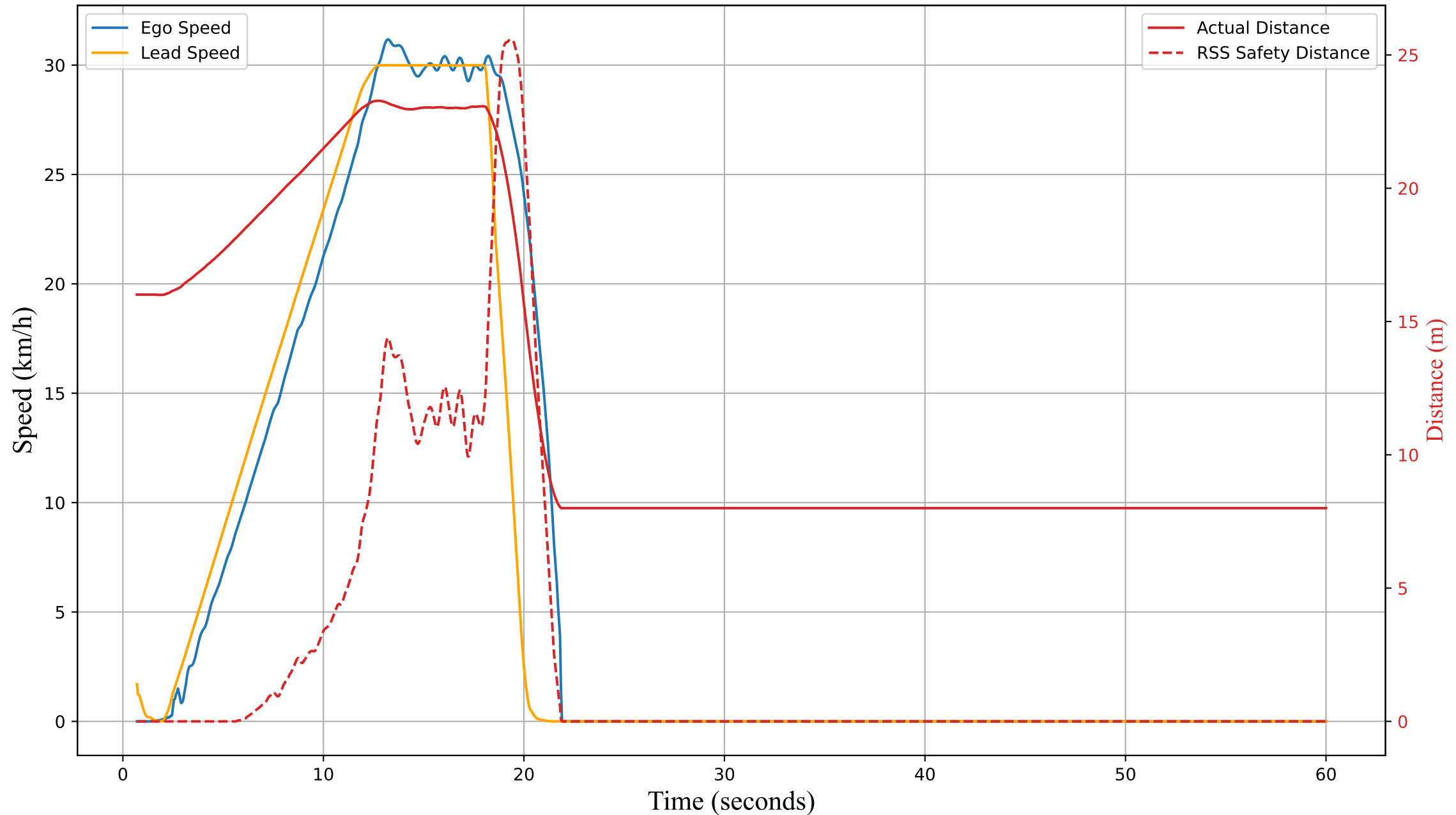


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

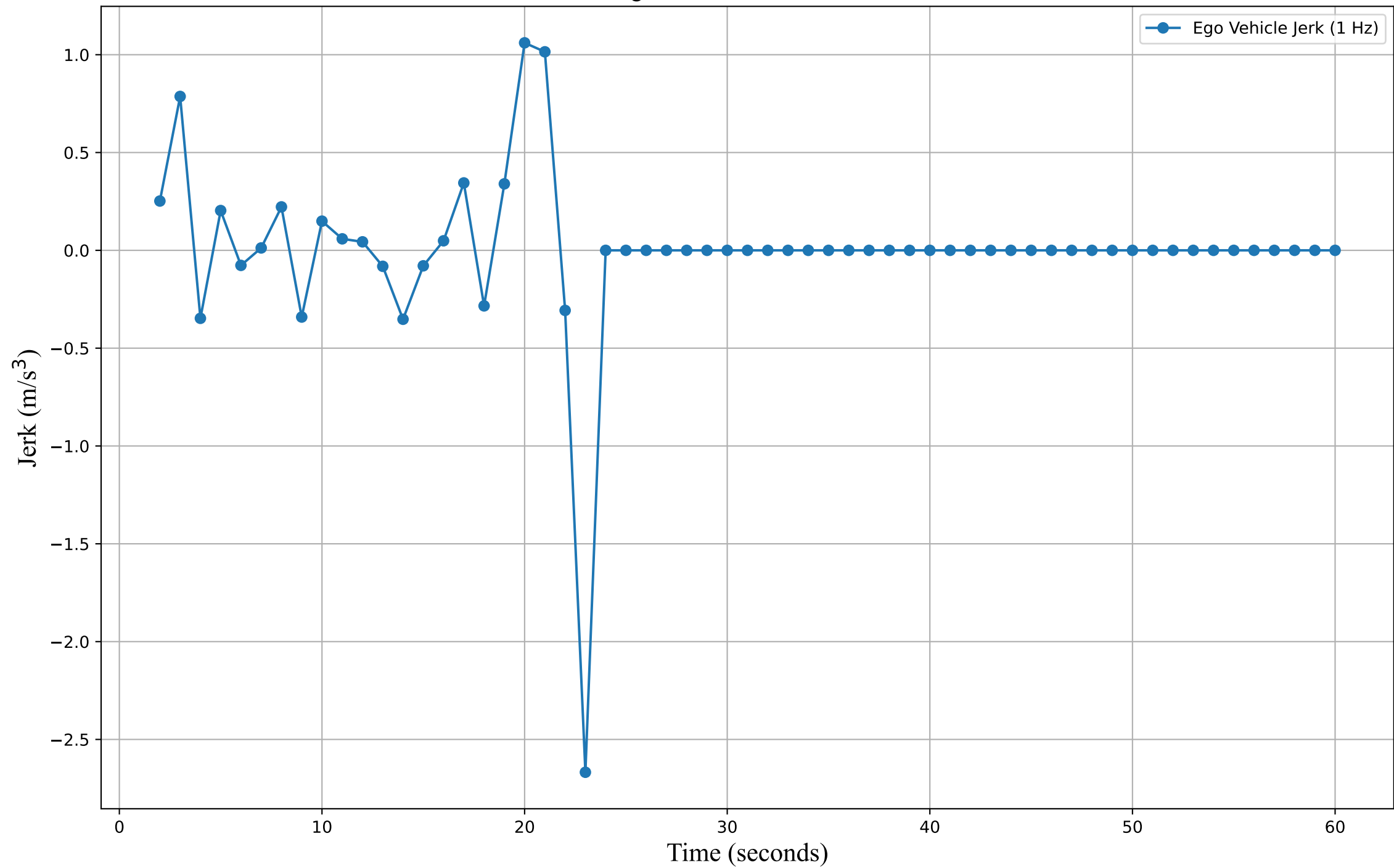


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

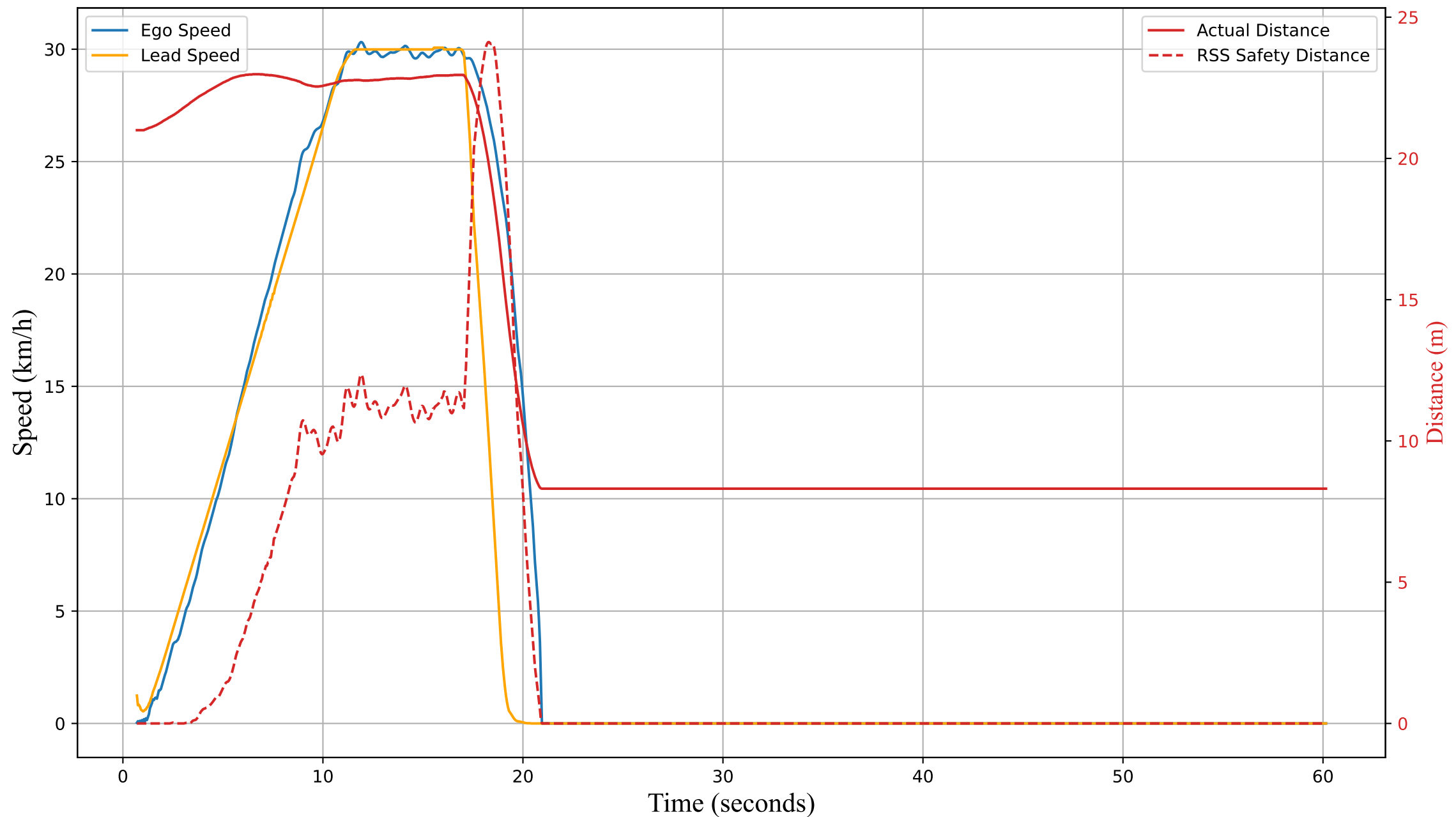


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

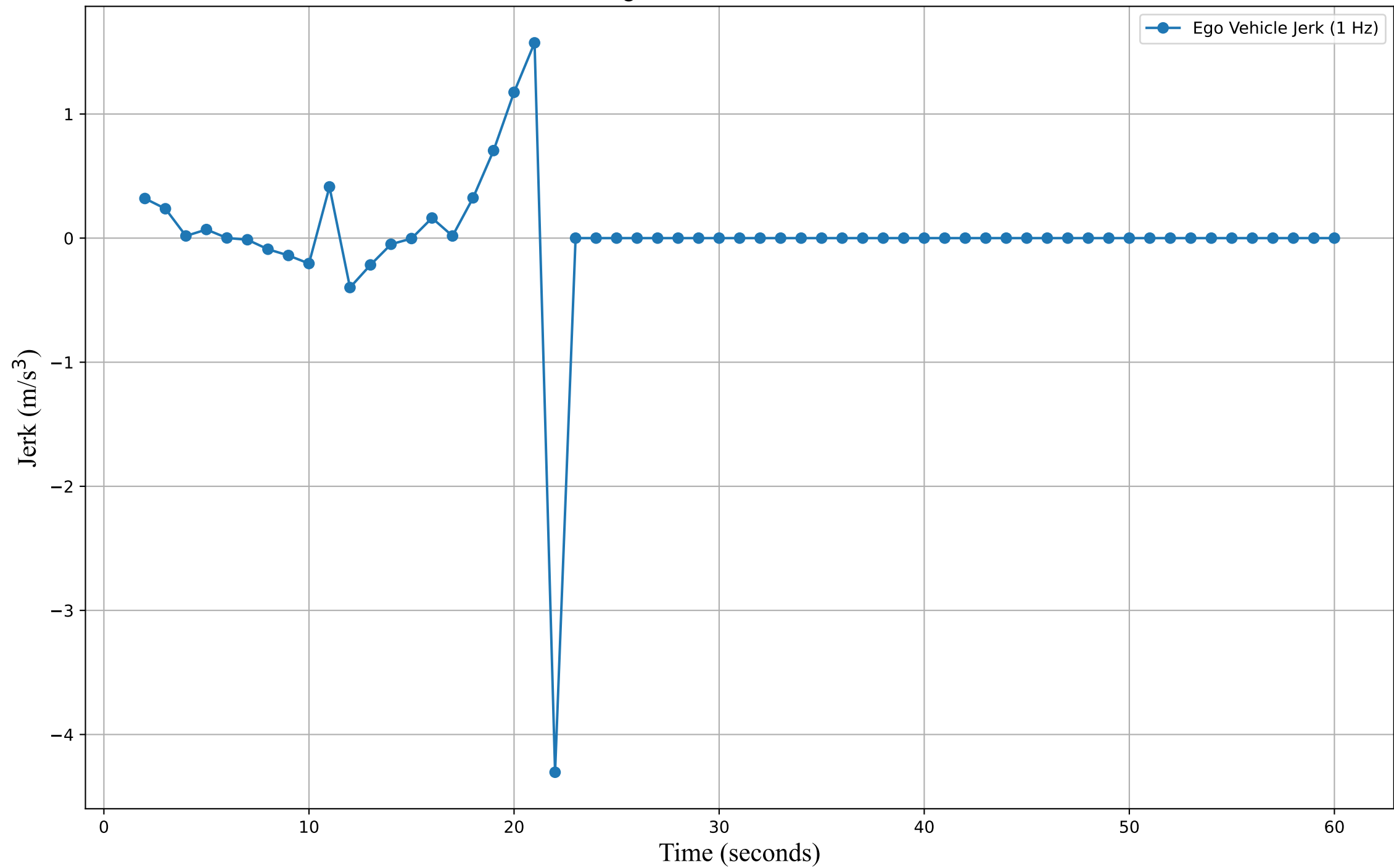


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

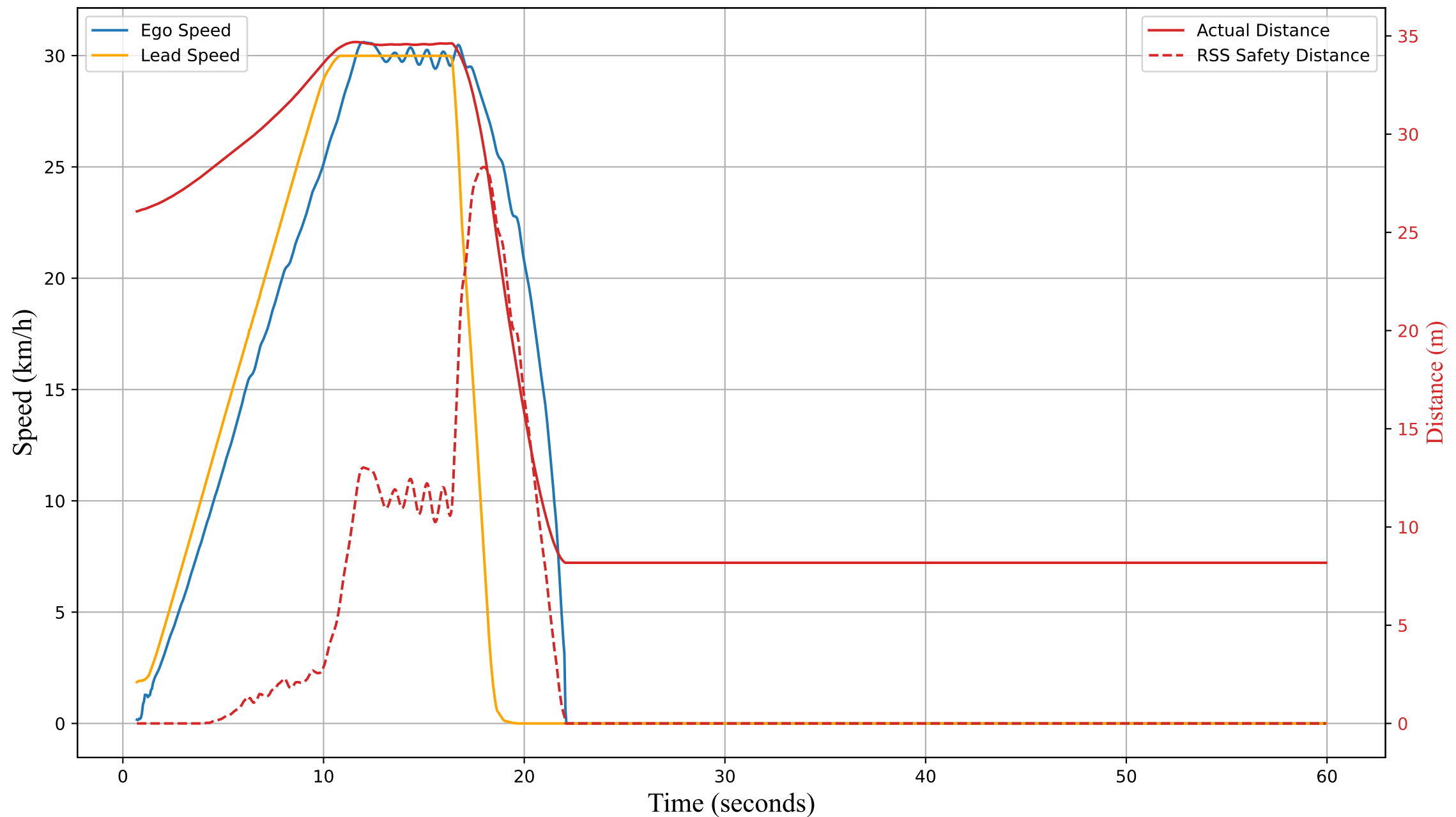


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

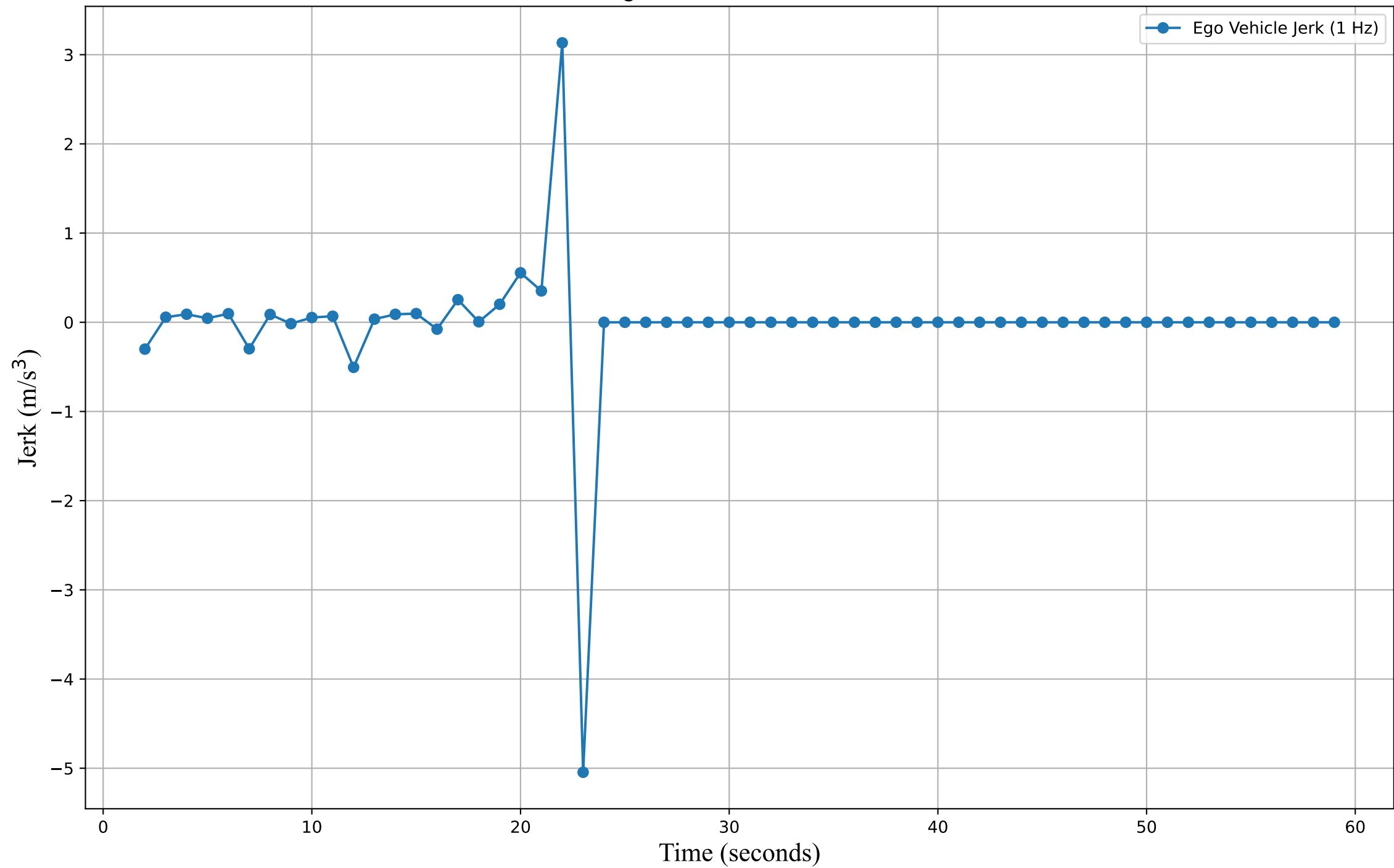


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

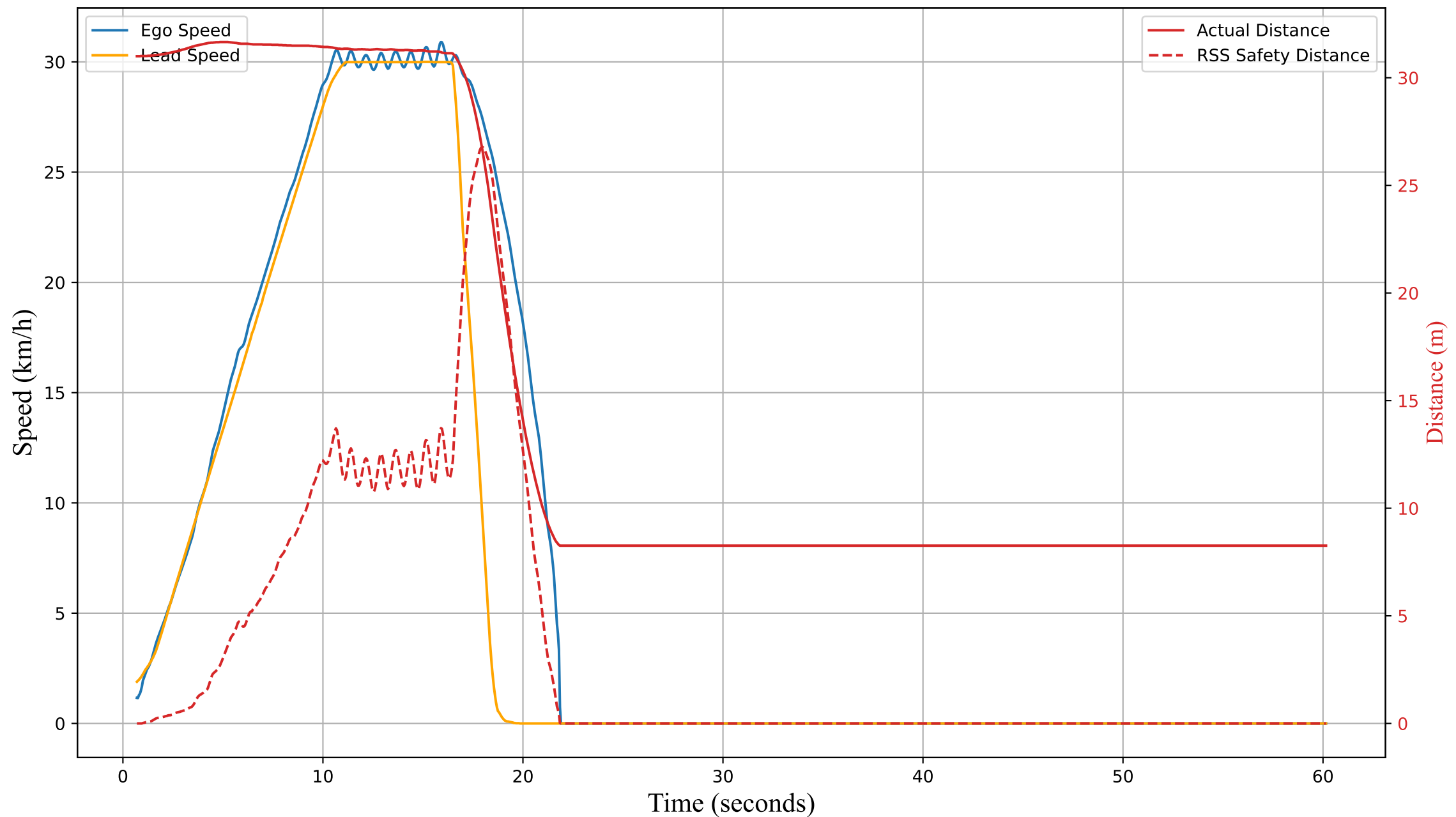


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

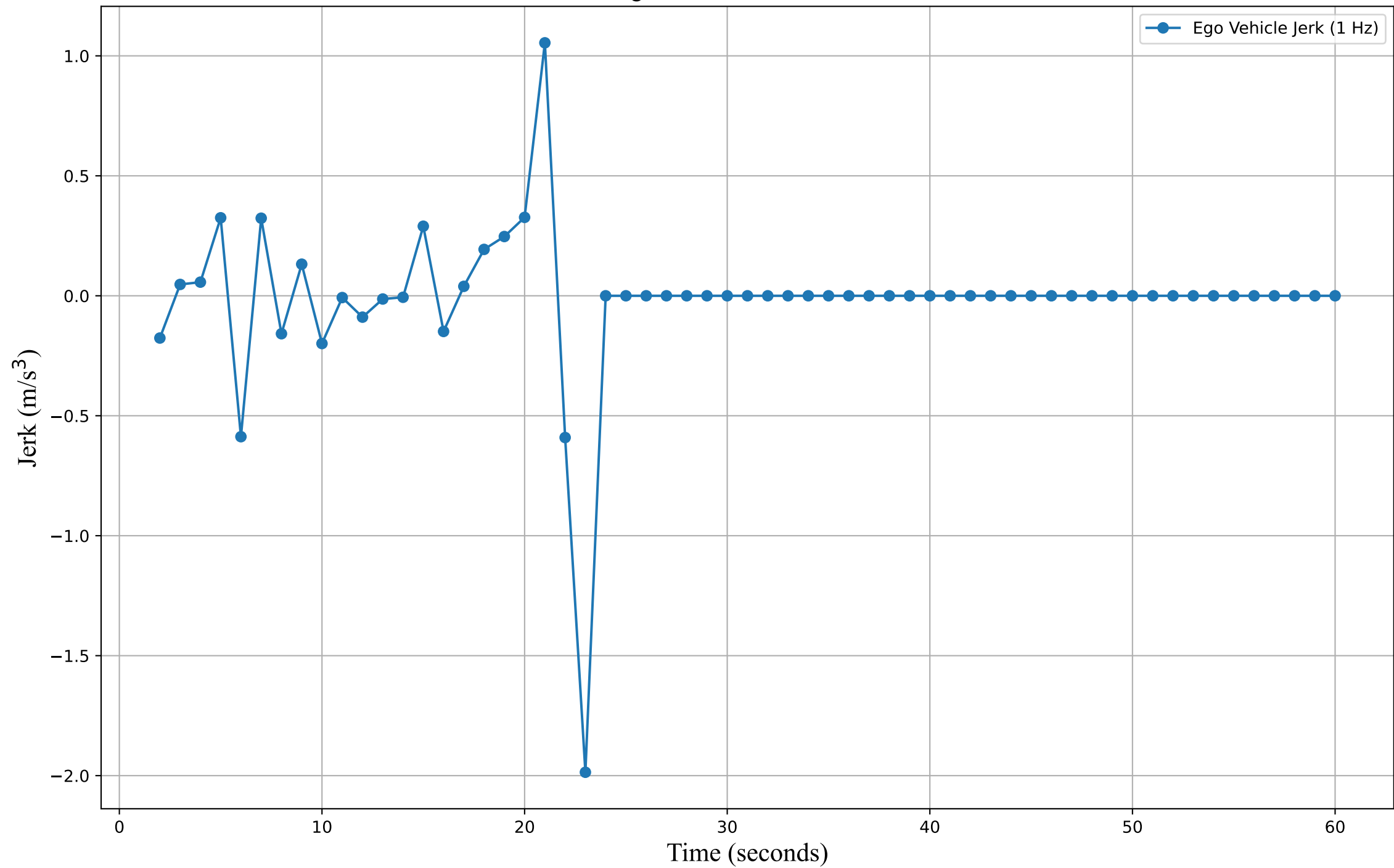


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

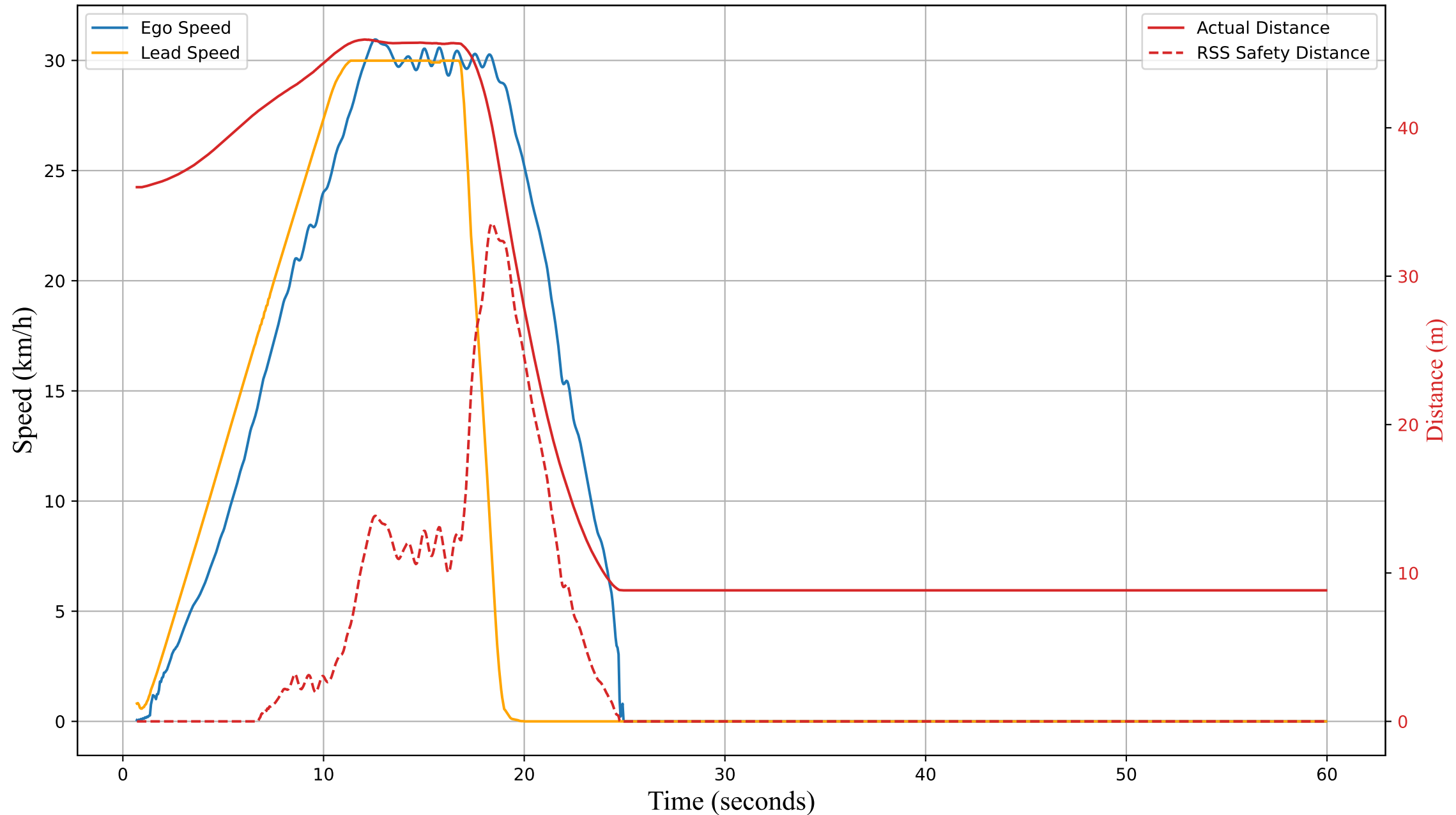


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

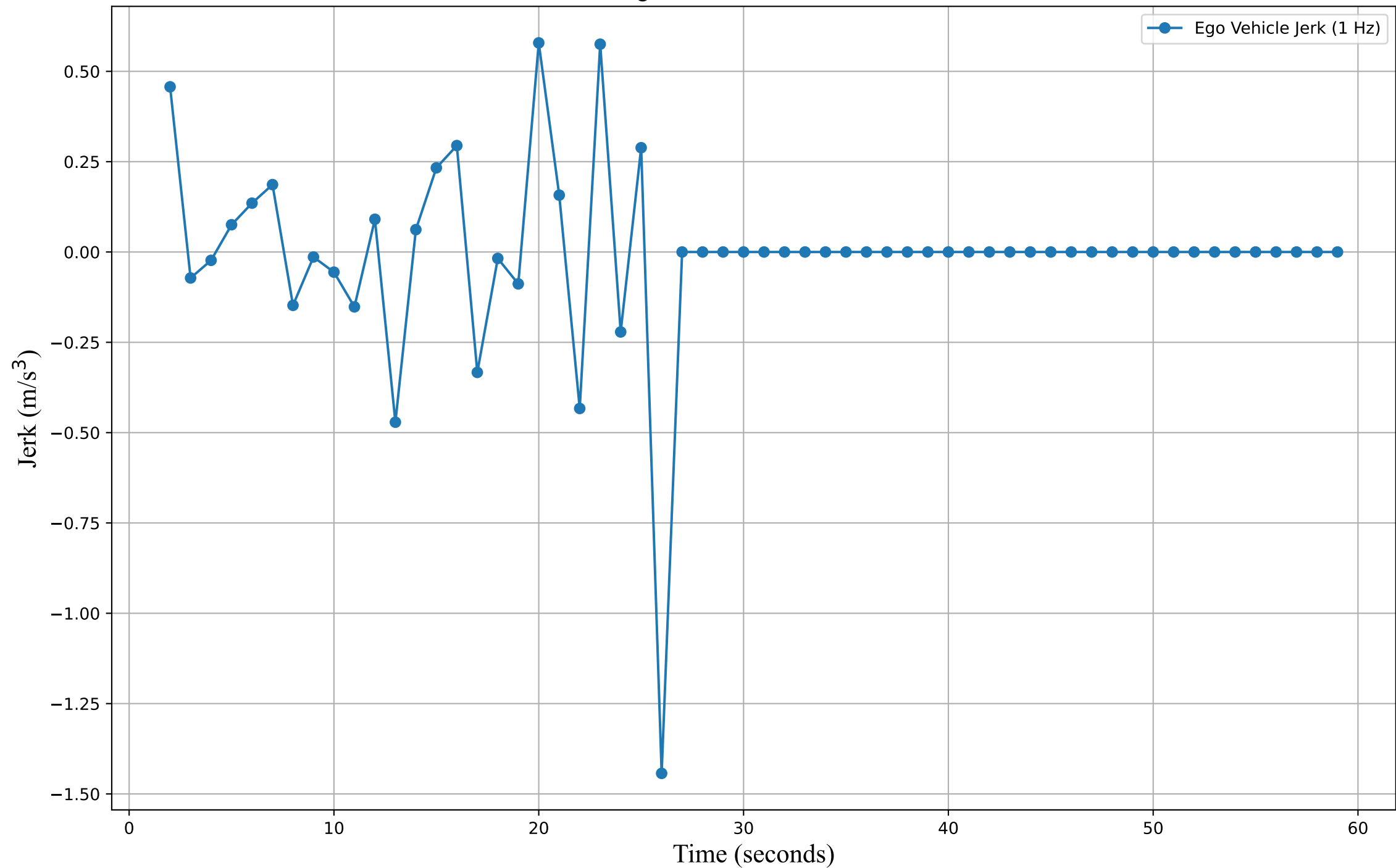


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

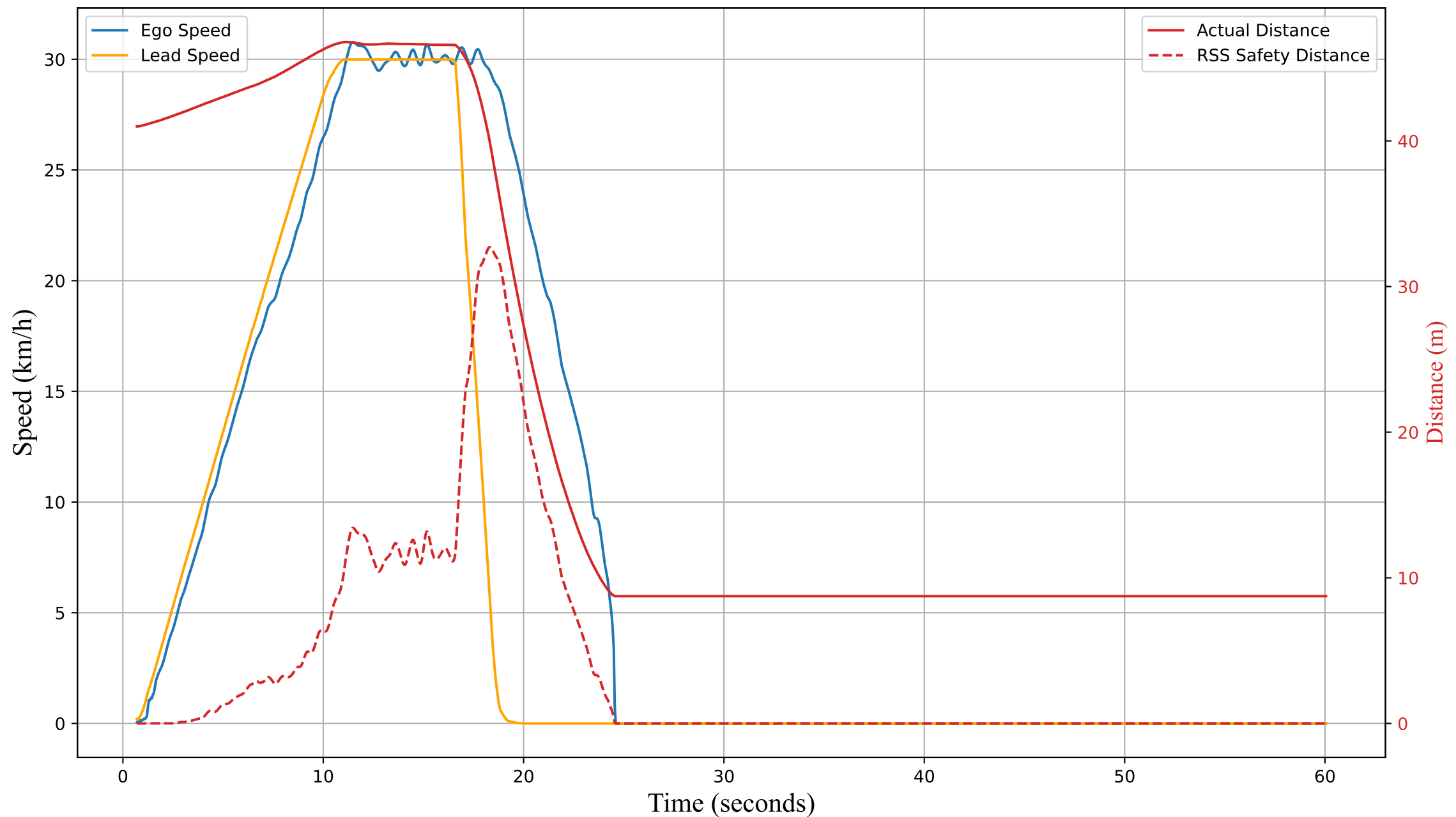


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time

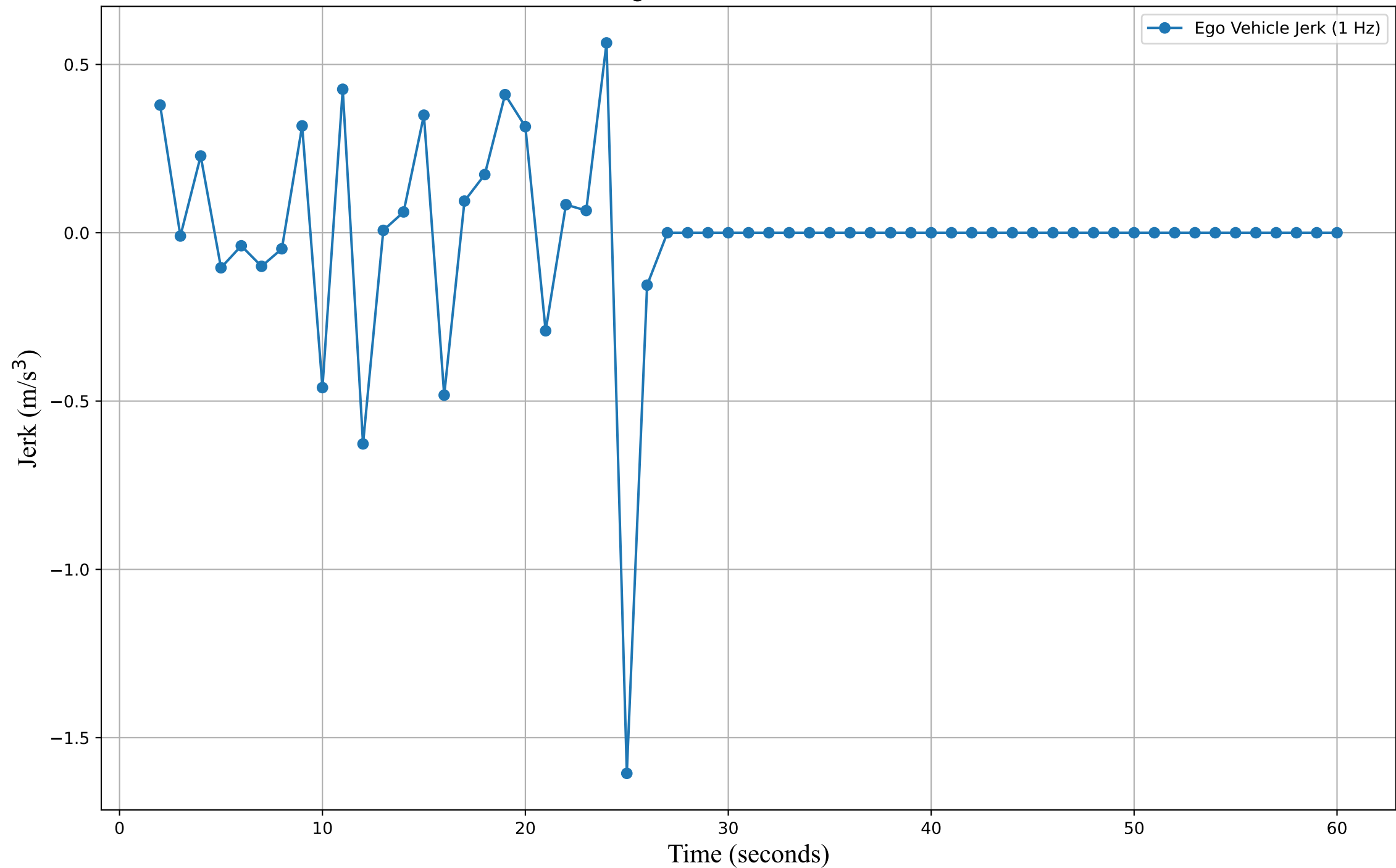


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

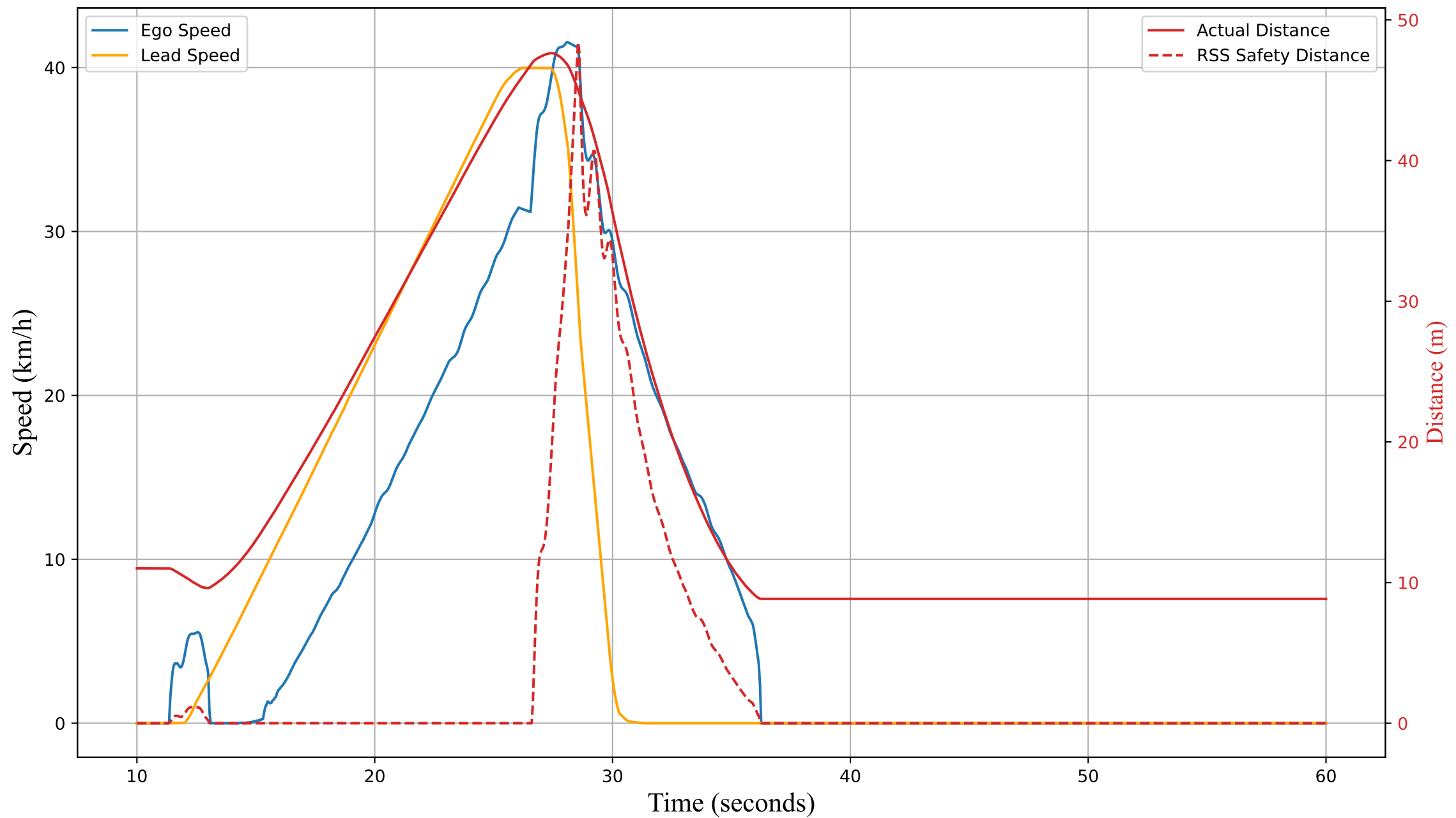


Ego Vehicle Speed=30 km/h, Lead Vehicle Speed=30 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

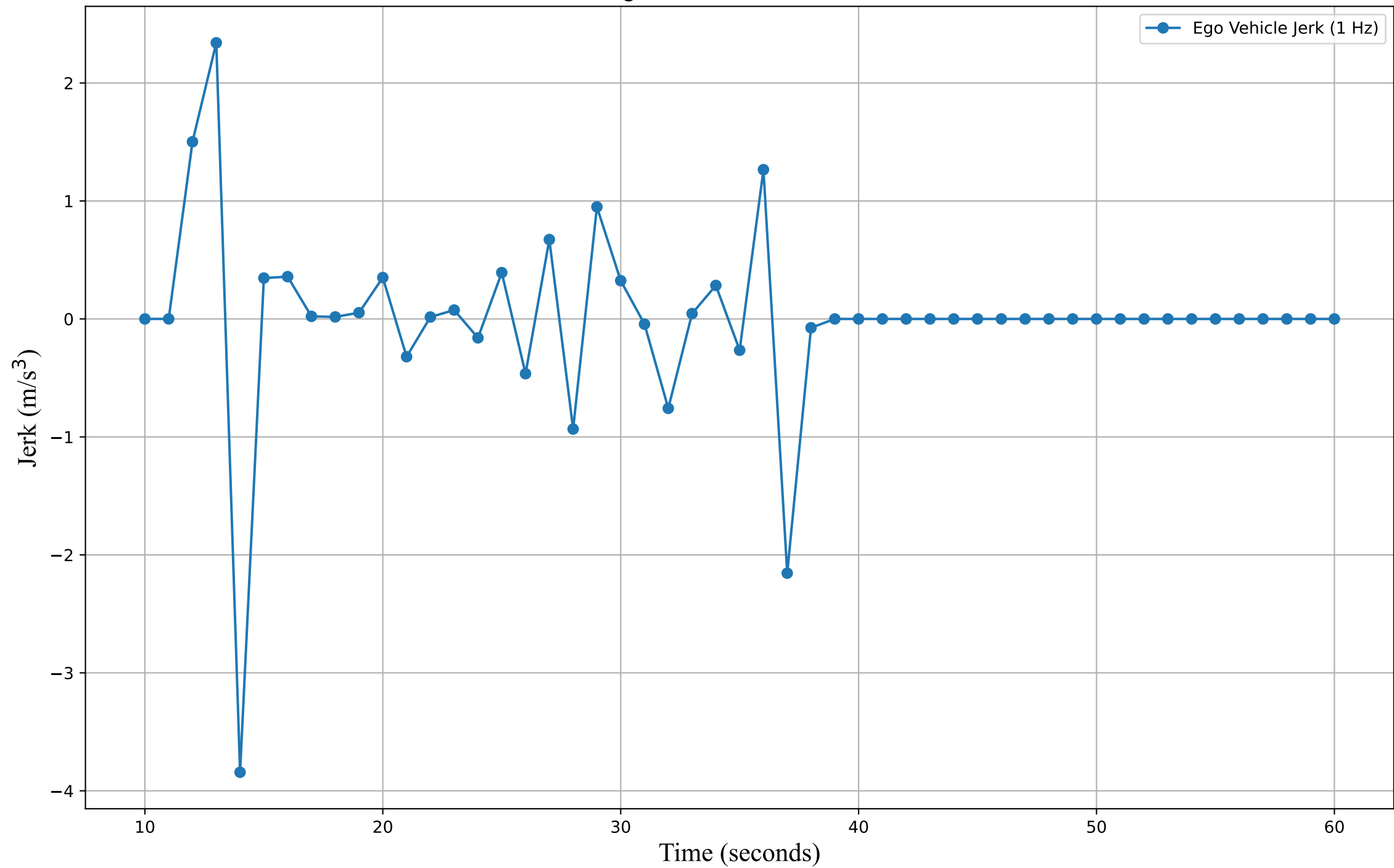


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

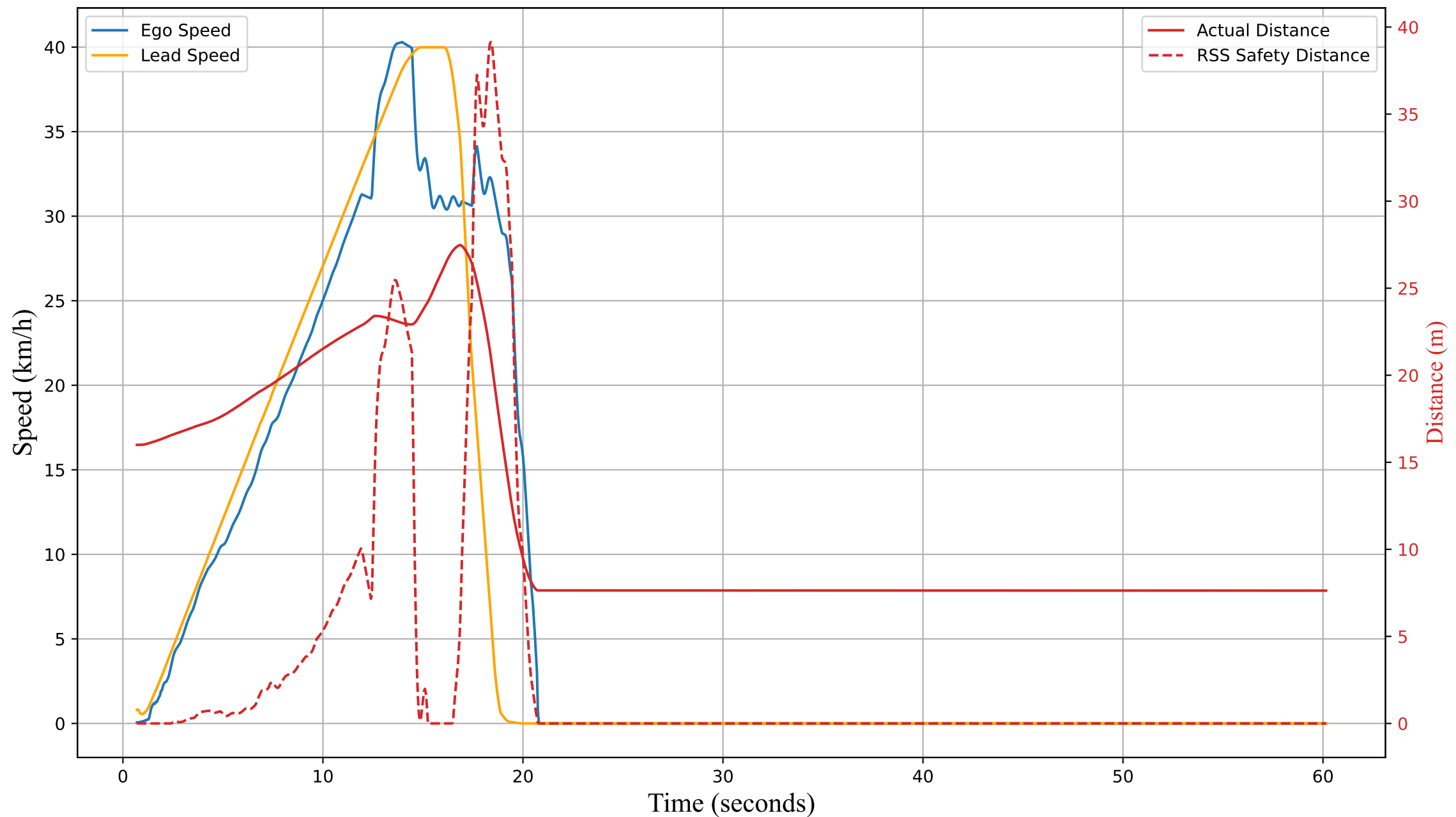


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

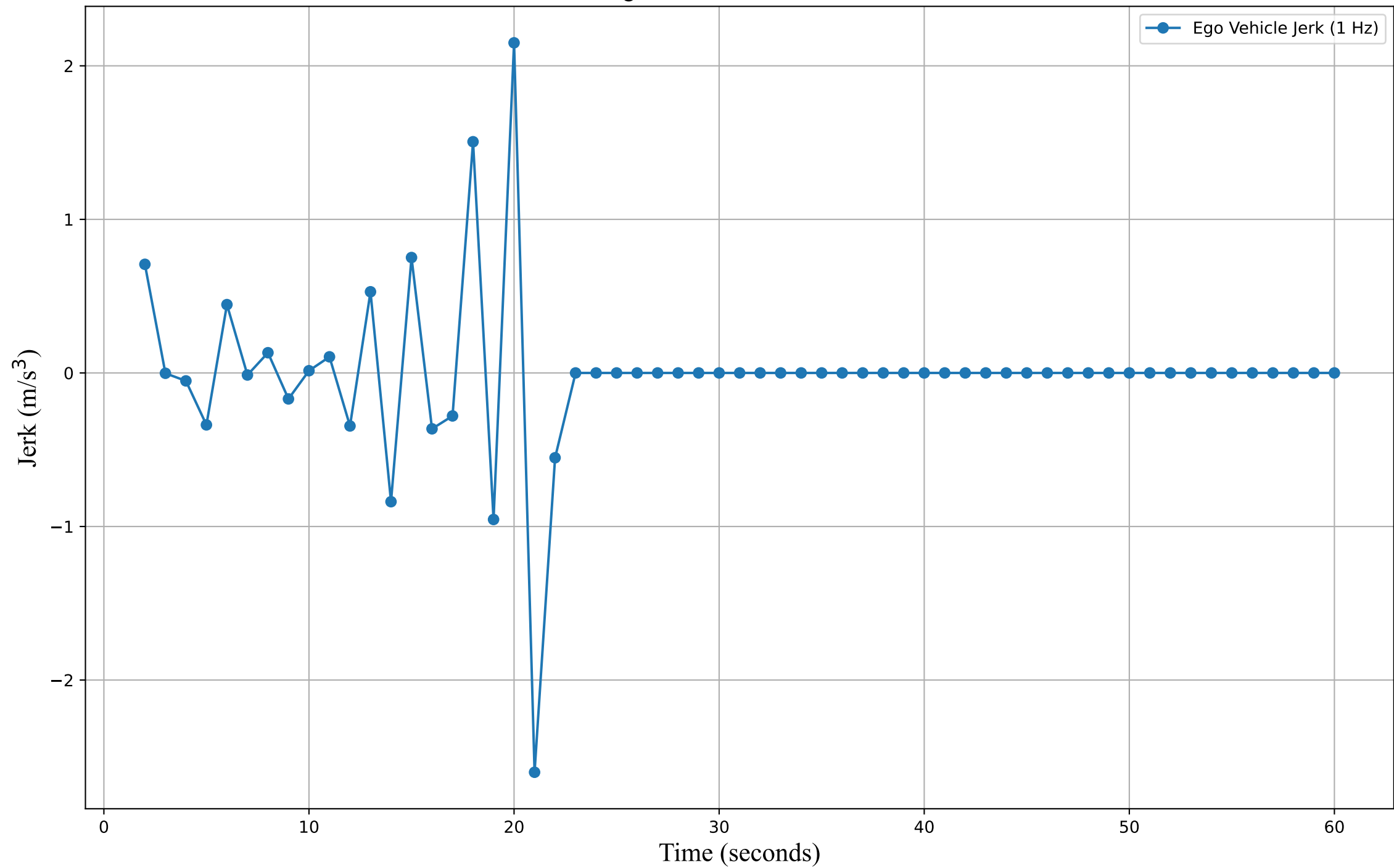


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

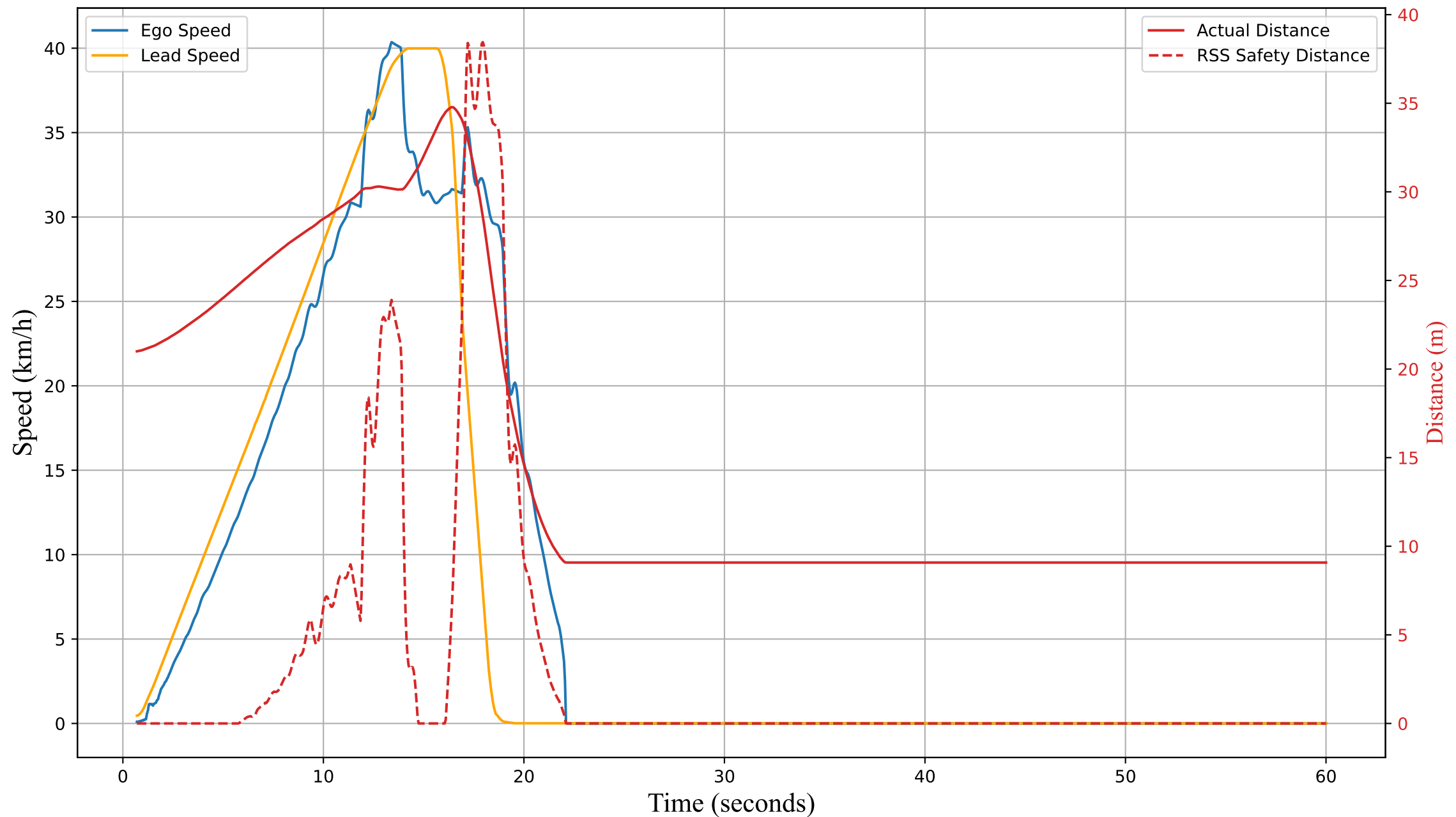


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=15 m

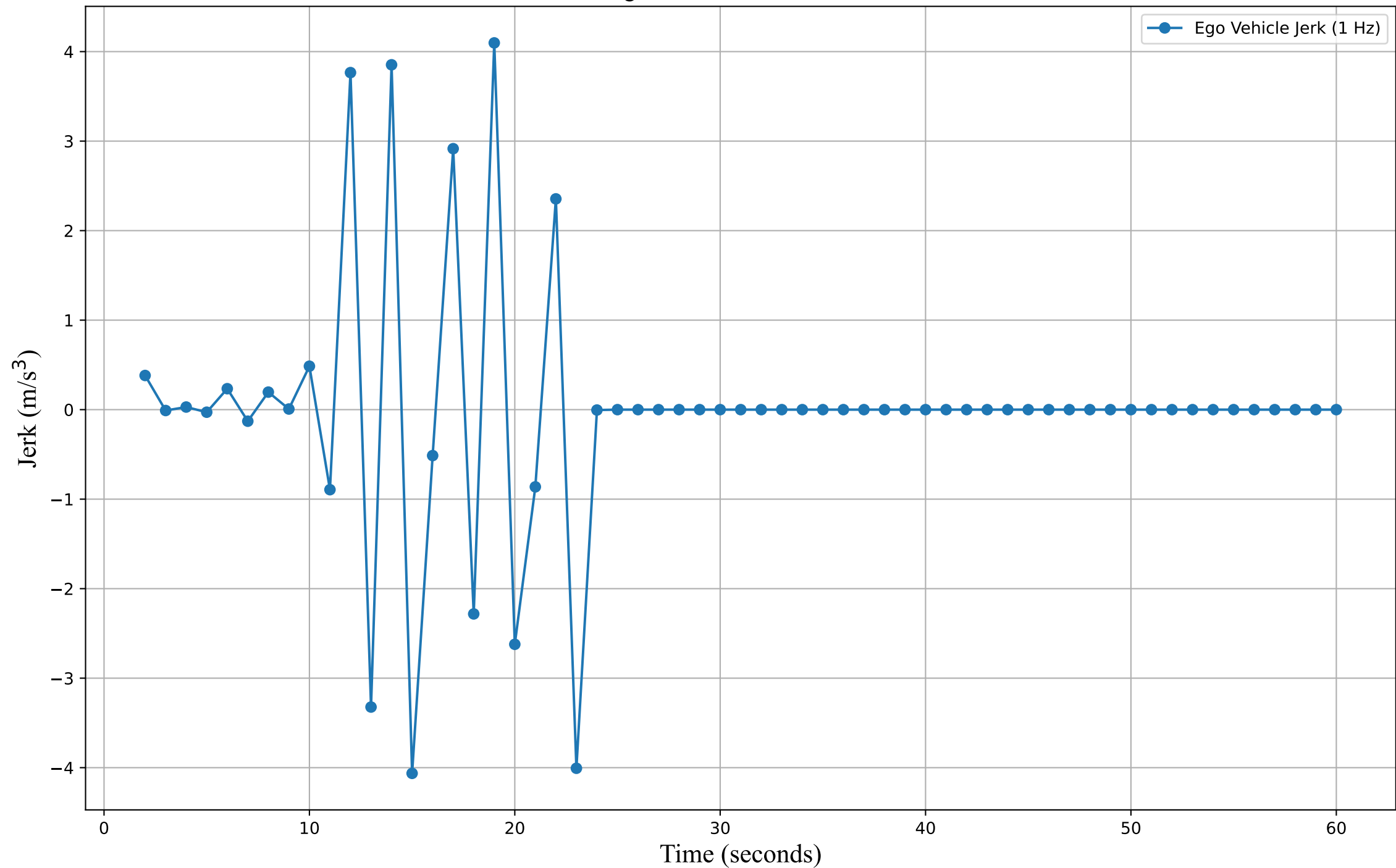
Ego Vehicle Jerk Over Time



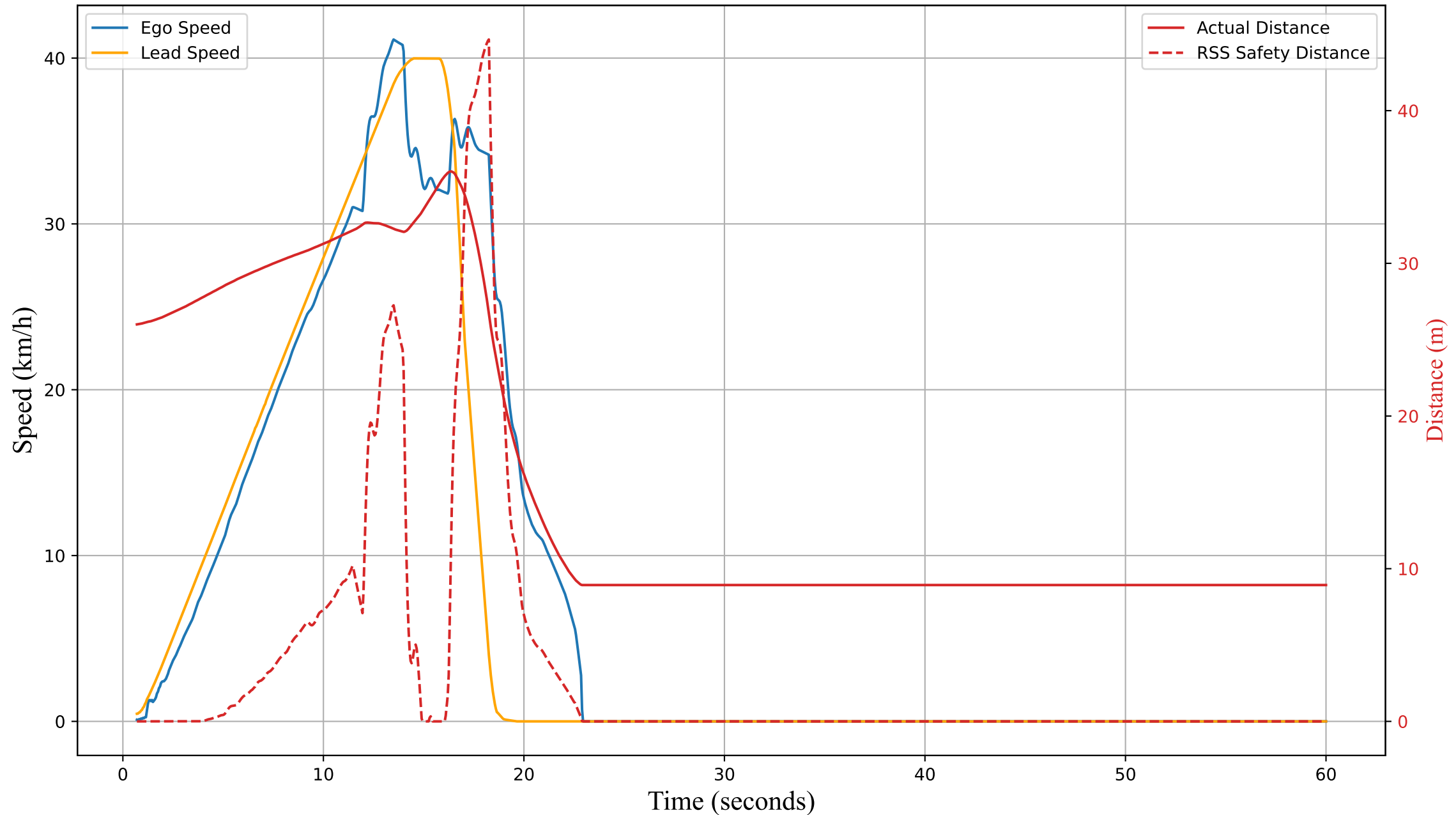
Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=20 m
Ego Vehicle Jerk Over Time

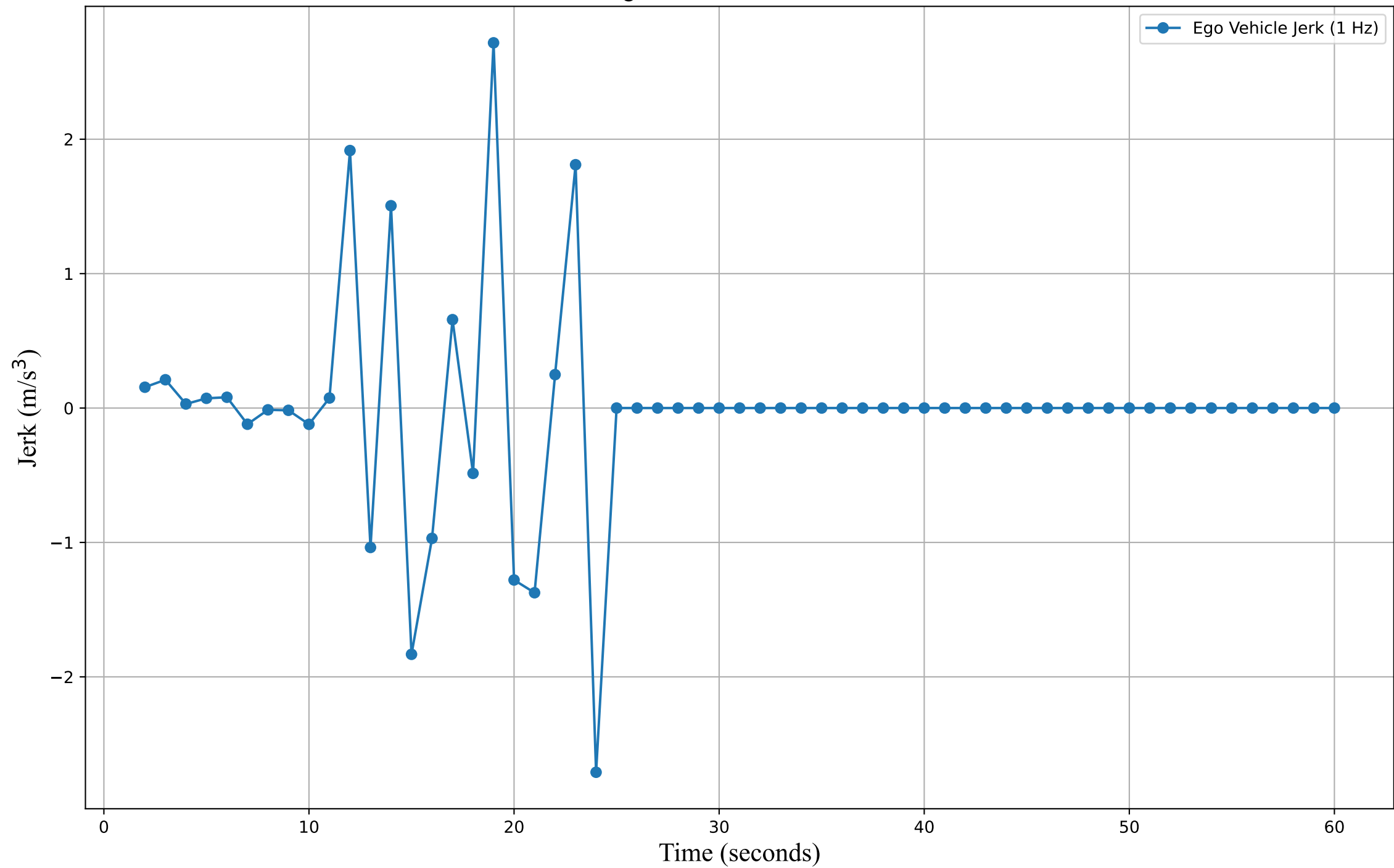


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

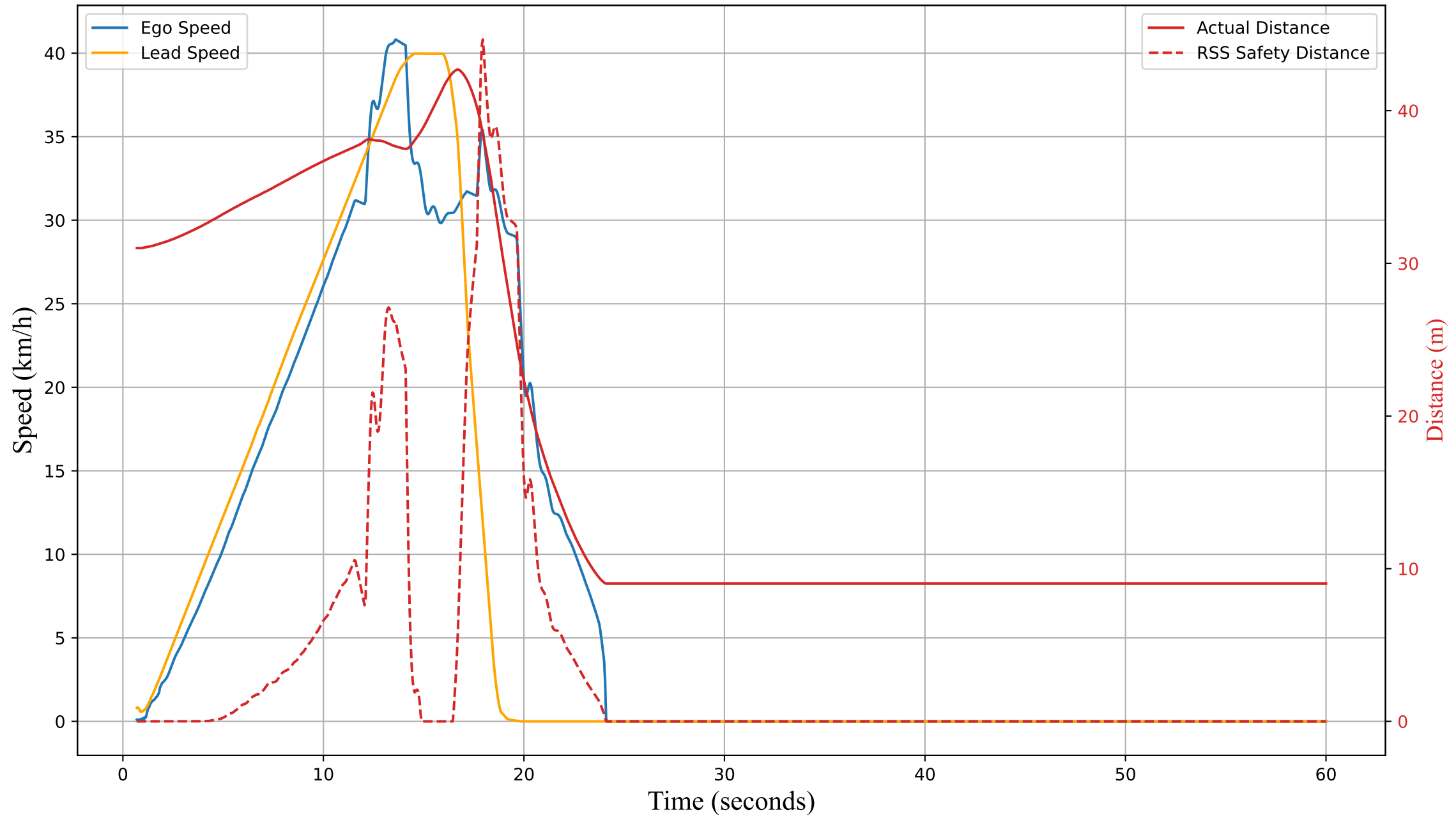


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

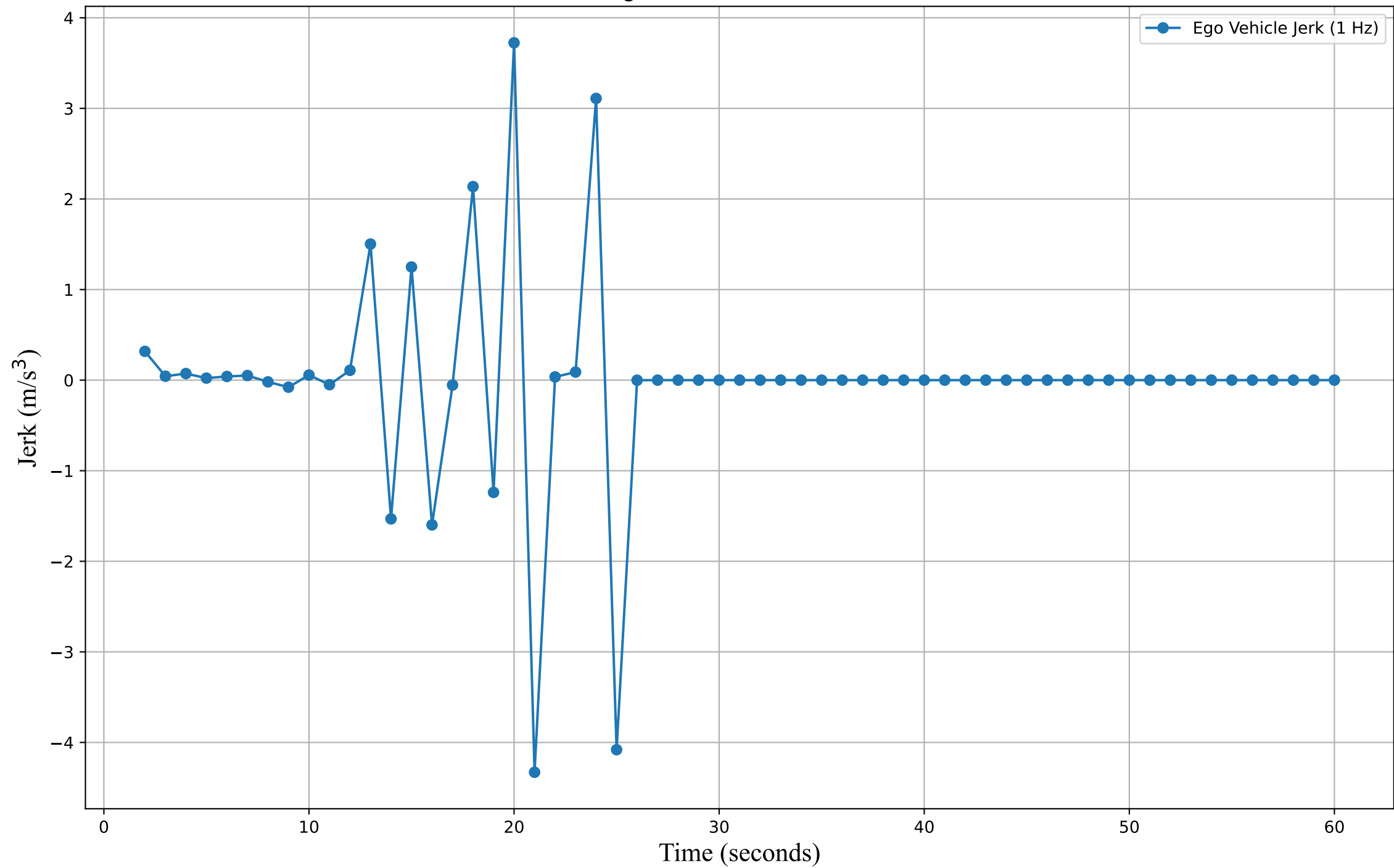


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

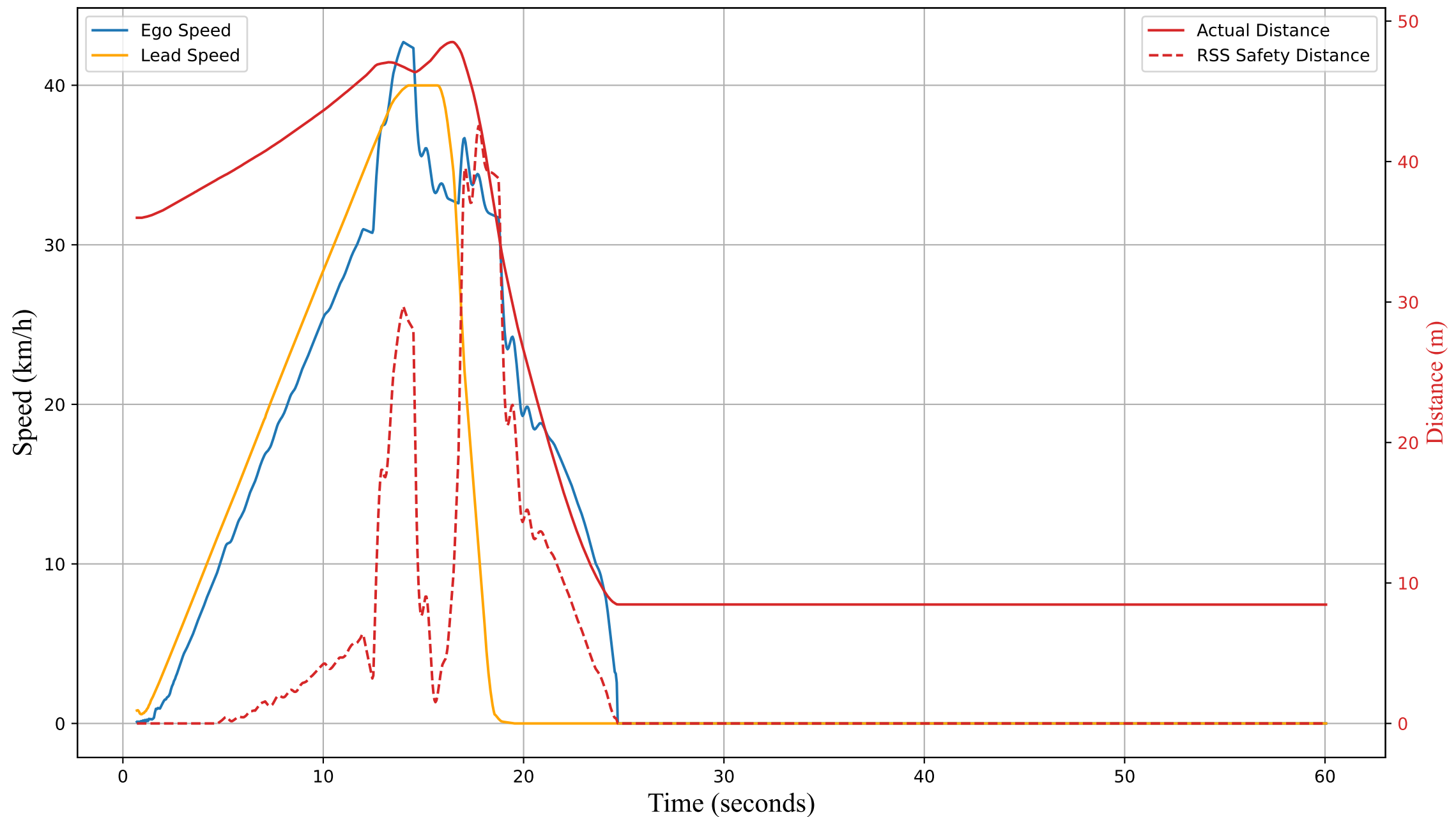


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=30 m

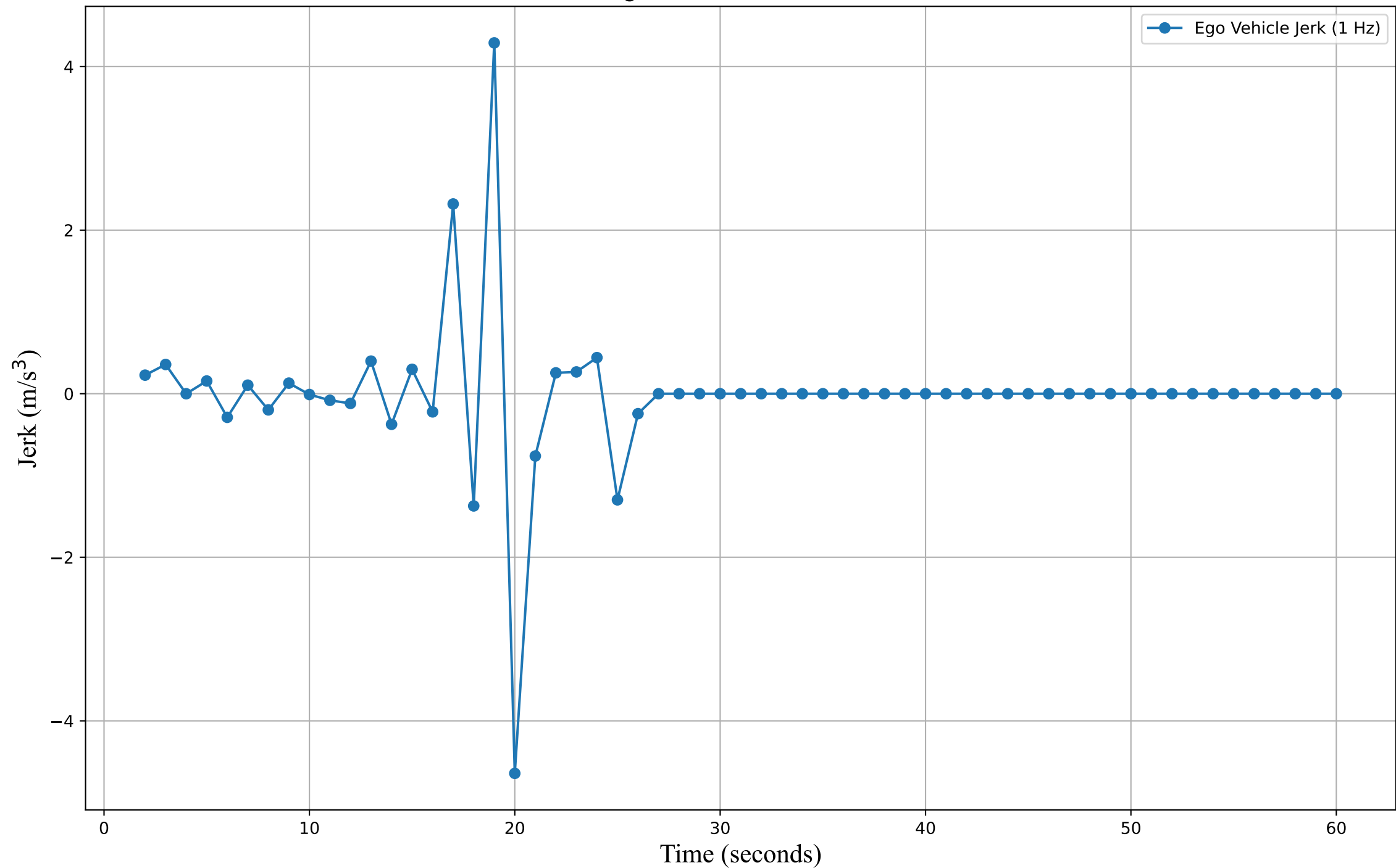
Ego Vehicle Jerk Over Time



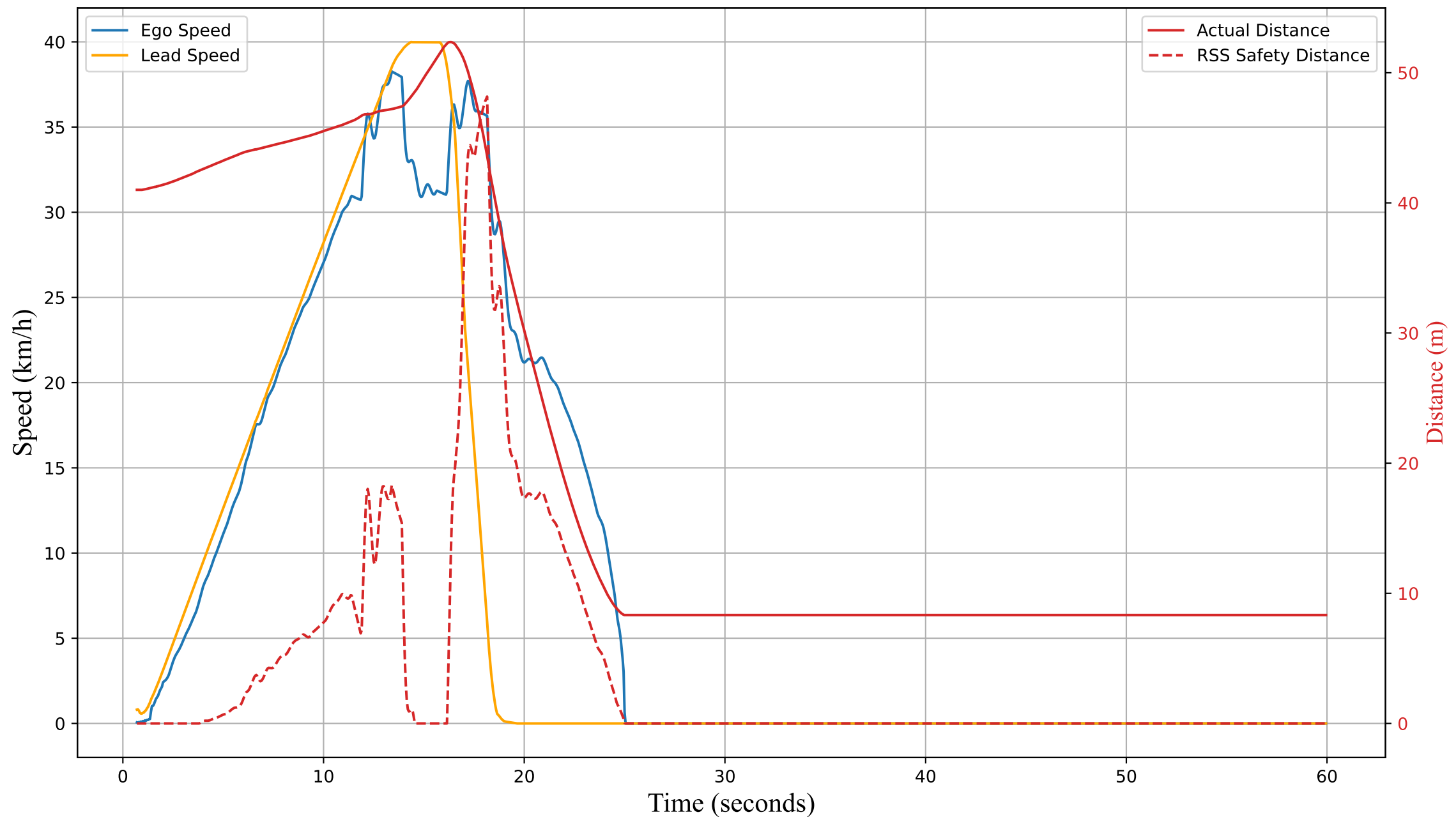
Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=35 m
Ego Vehicle Jerk Over Time

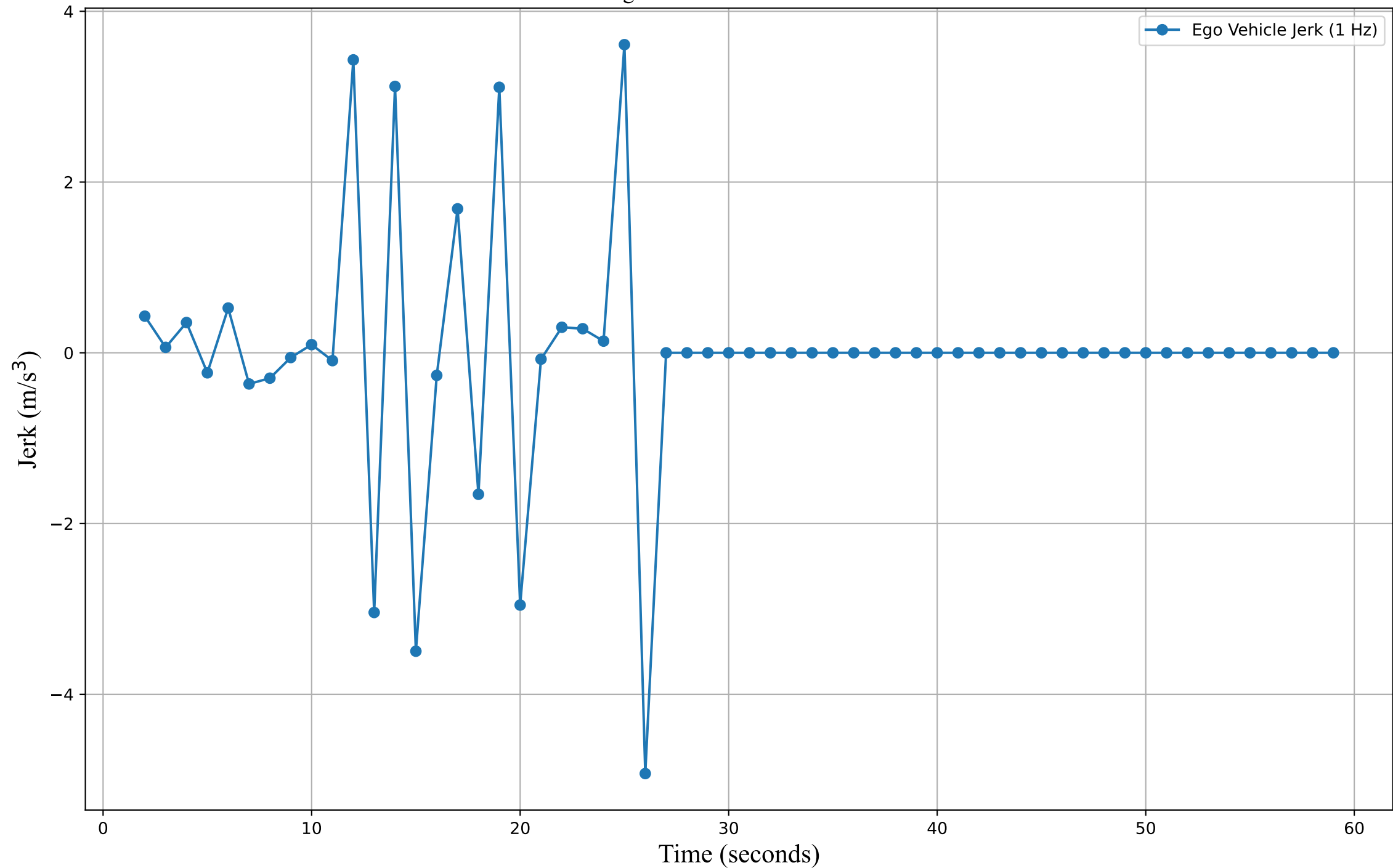


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance

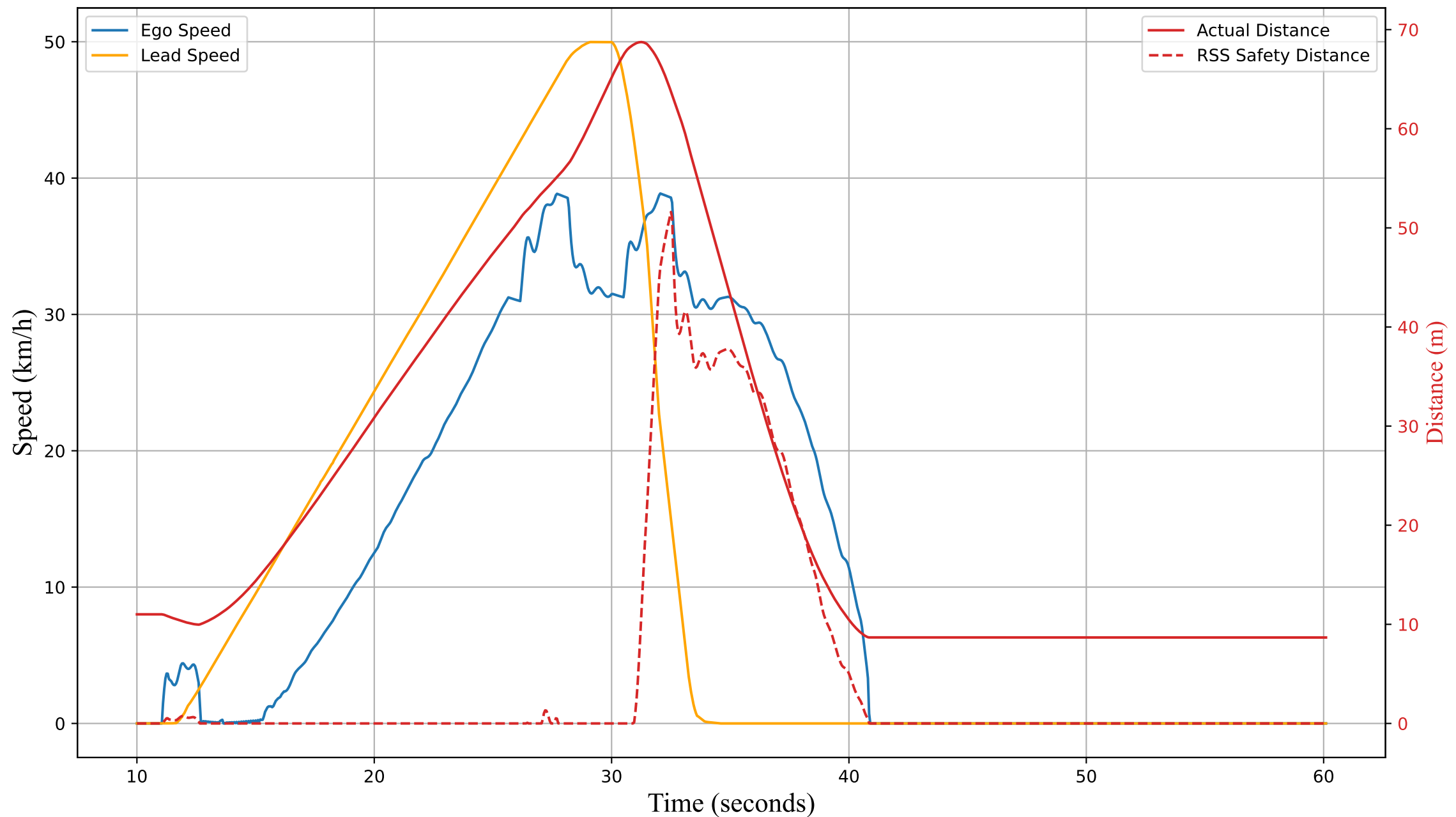


Ego Vehicle Speed=40 km/h, Lead Vehicle Speed=40 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

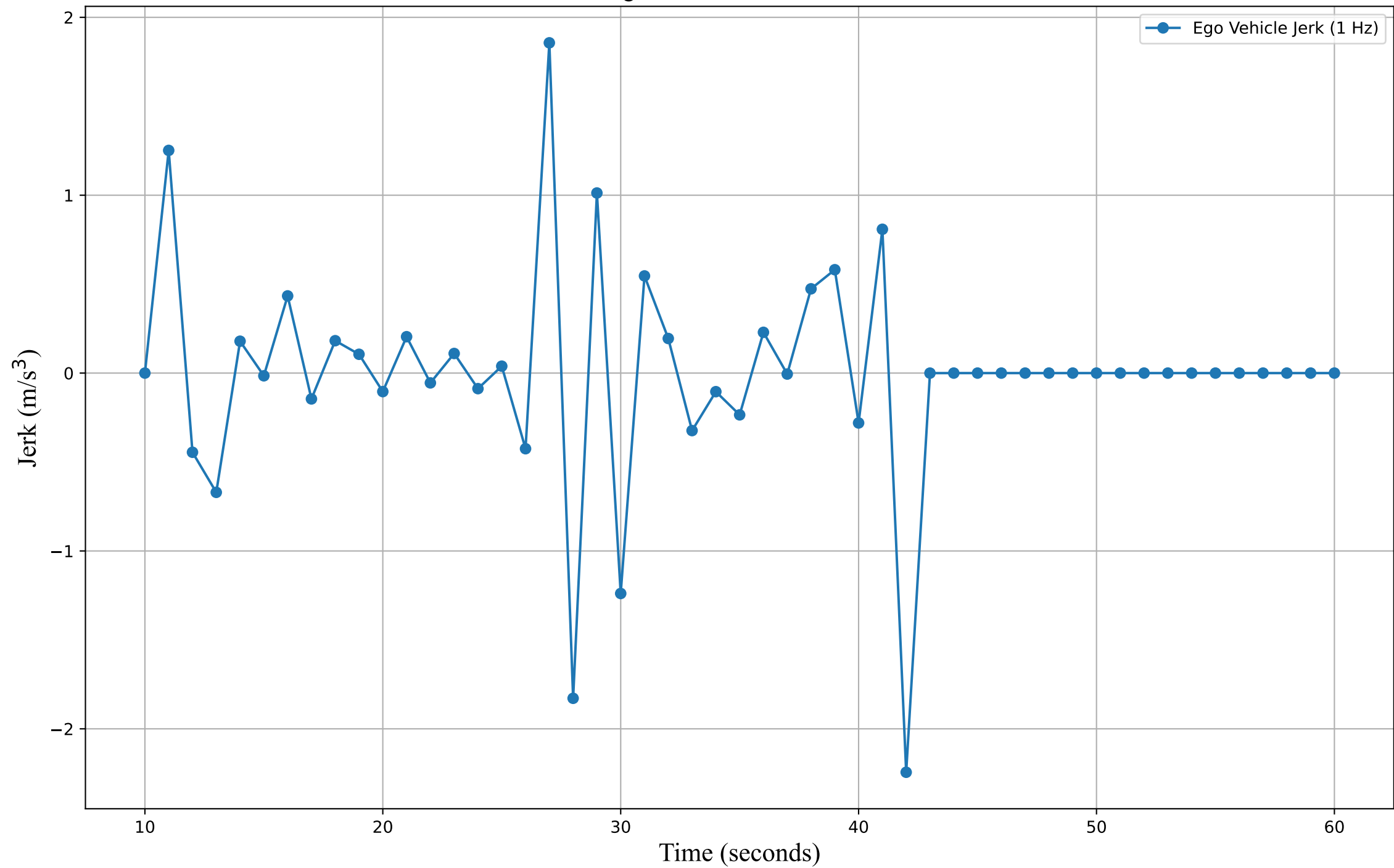


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=10 m
Speed, Distance, and RSS Minimum Safe Distance

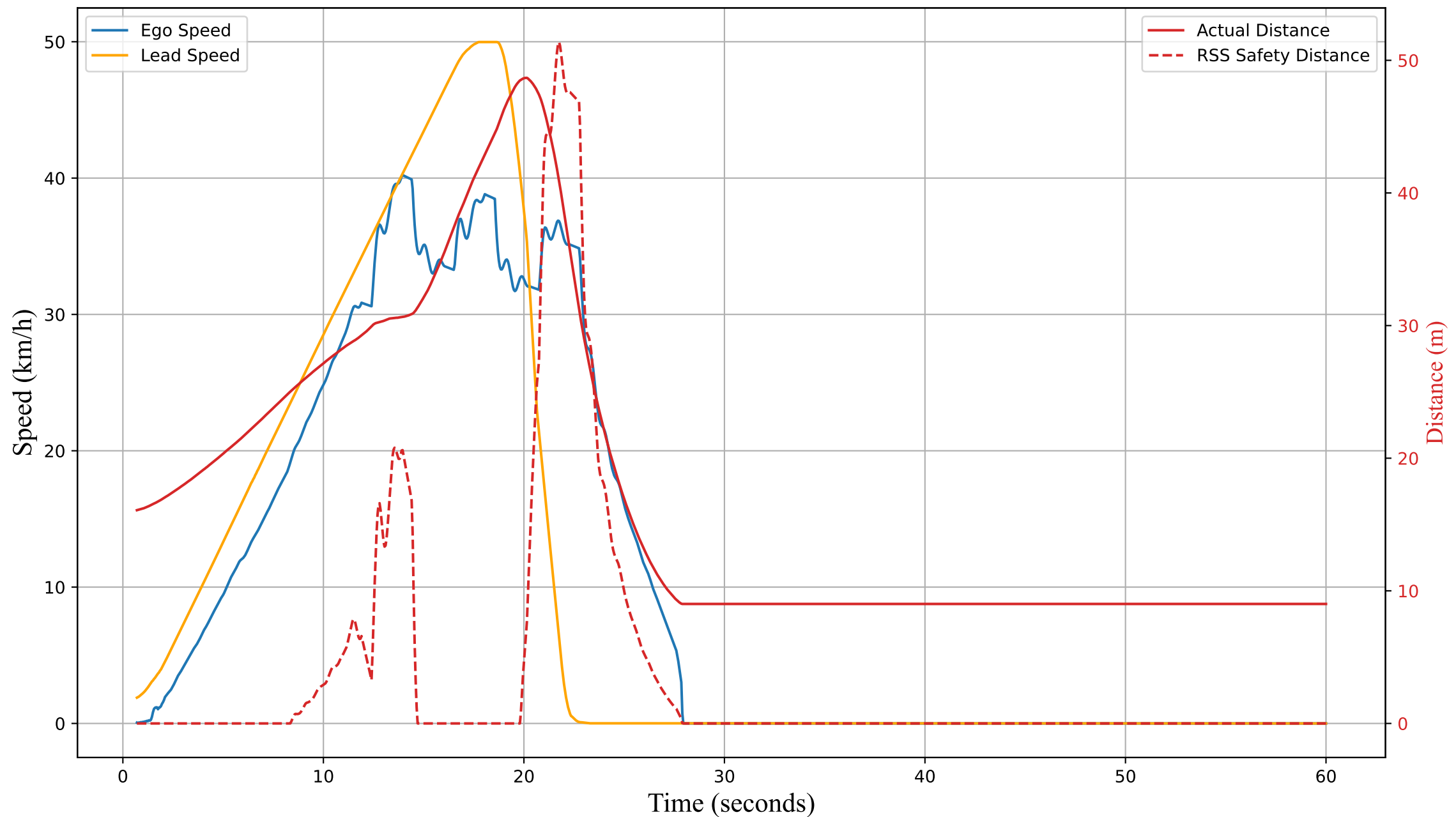


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=10 m

Ego Vehicle Jerk Over Time

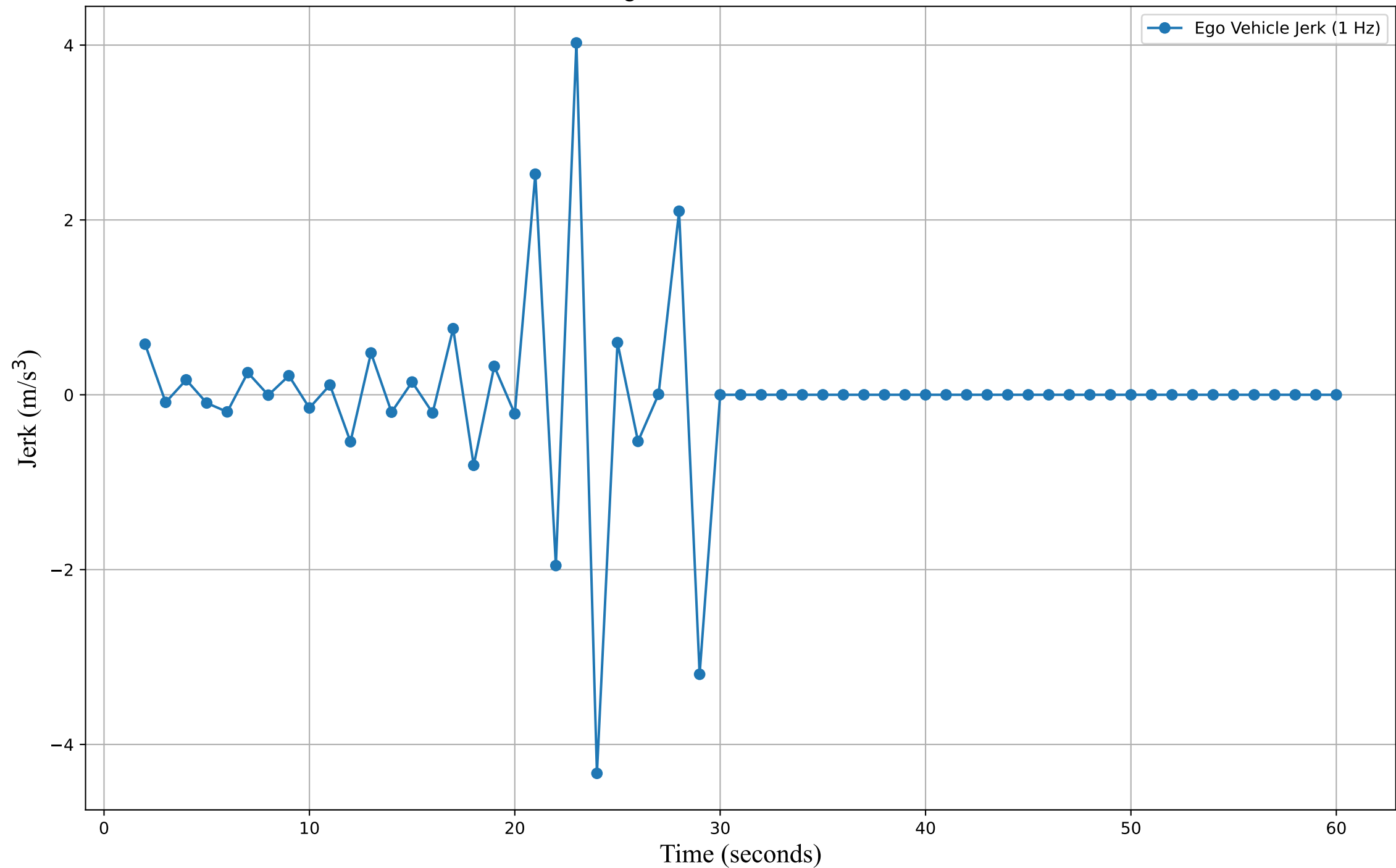


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=15 m
Speed, Distance, and RSS Minimum Safe Distance

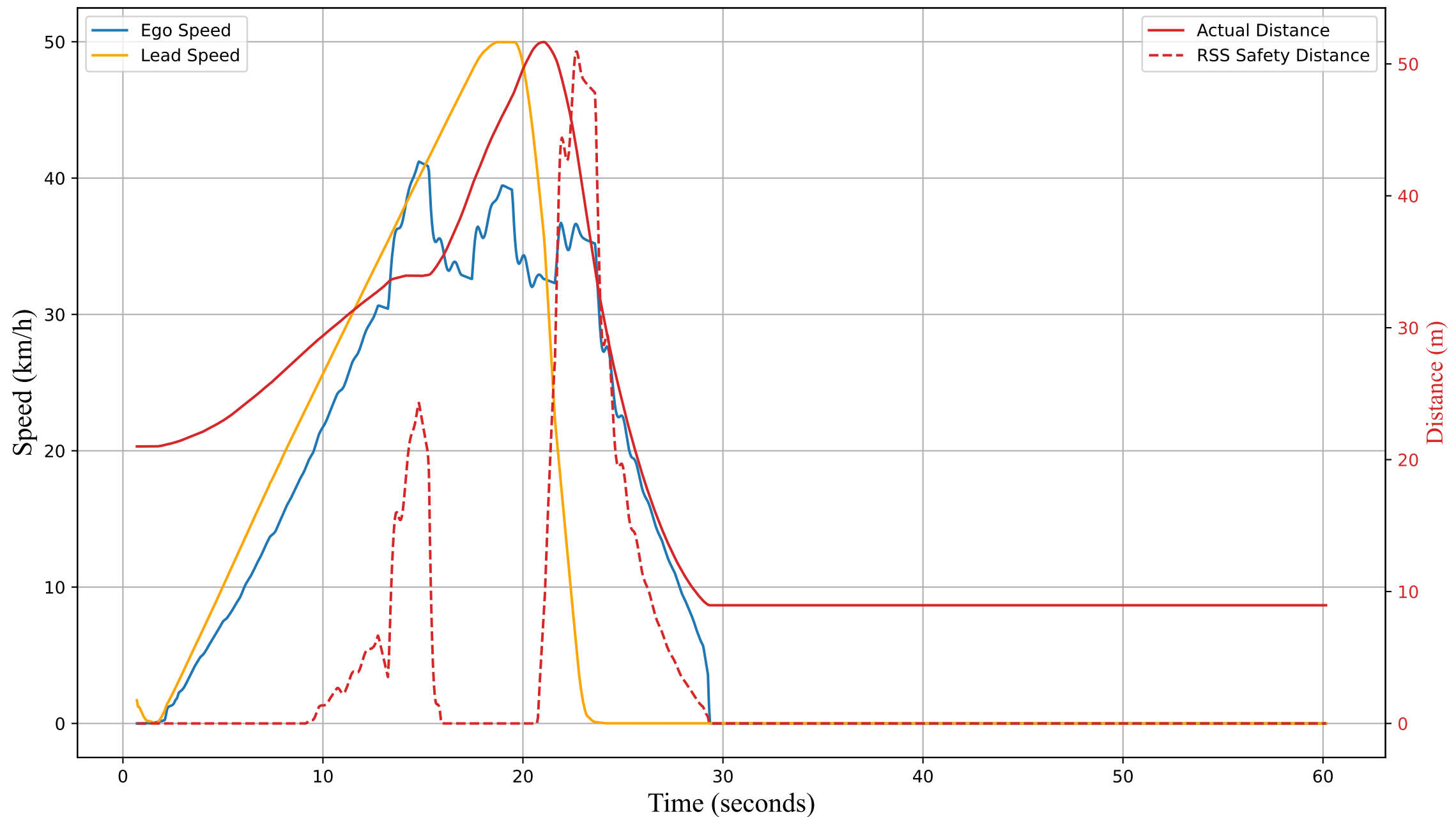


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=15 m

Ego Vehicle Jerk Over Time

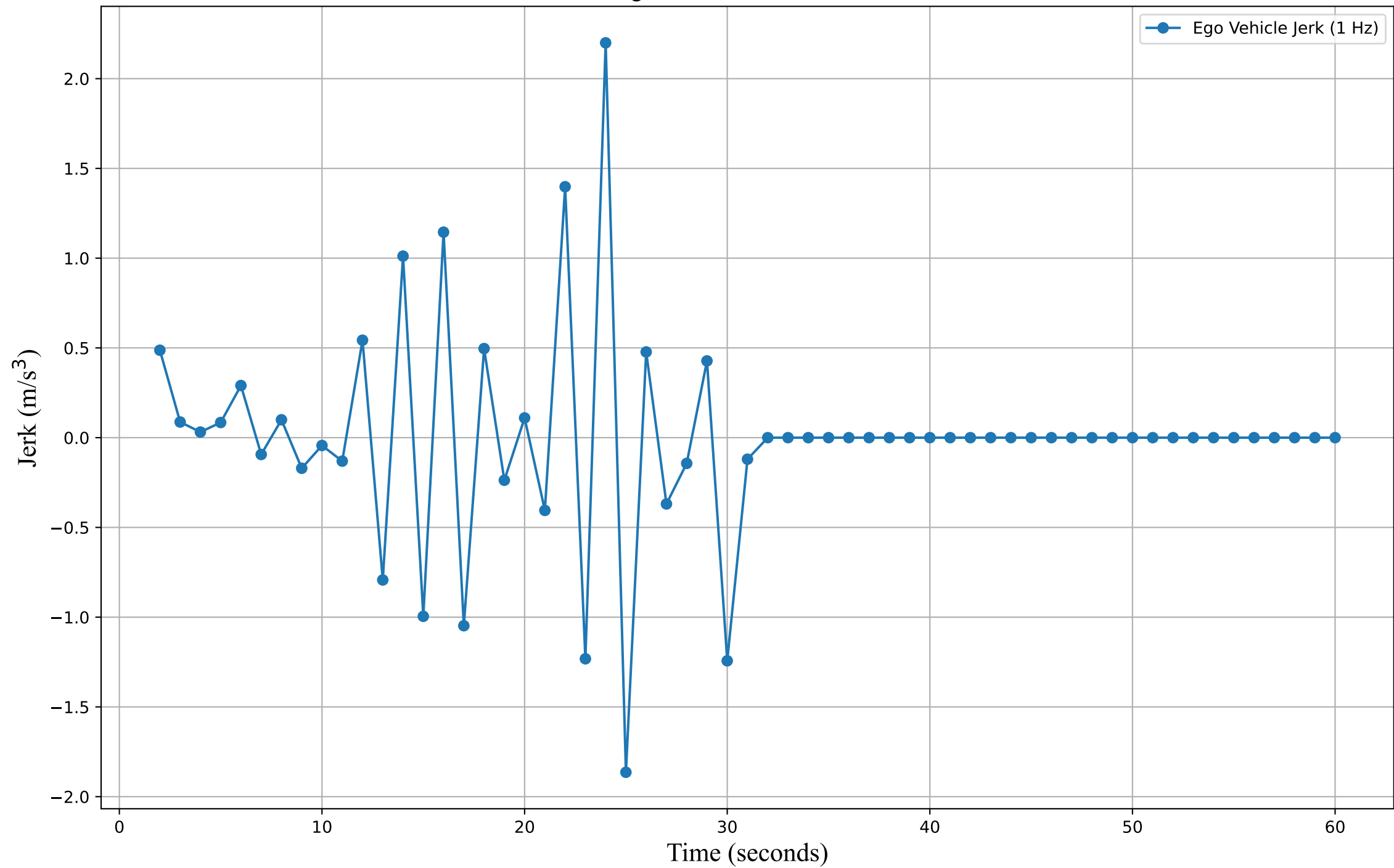


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=20 m
Speed, Distance, and RSS Minimum Safe Distance

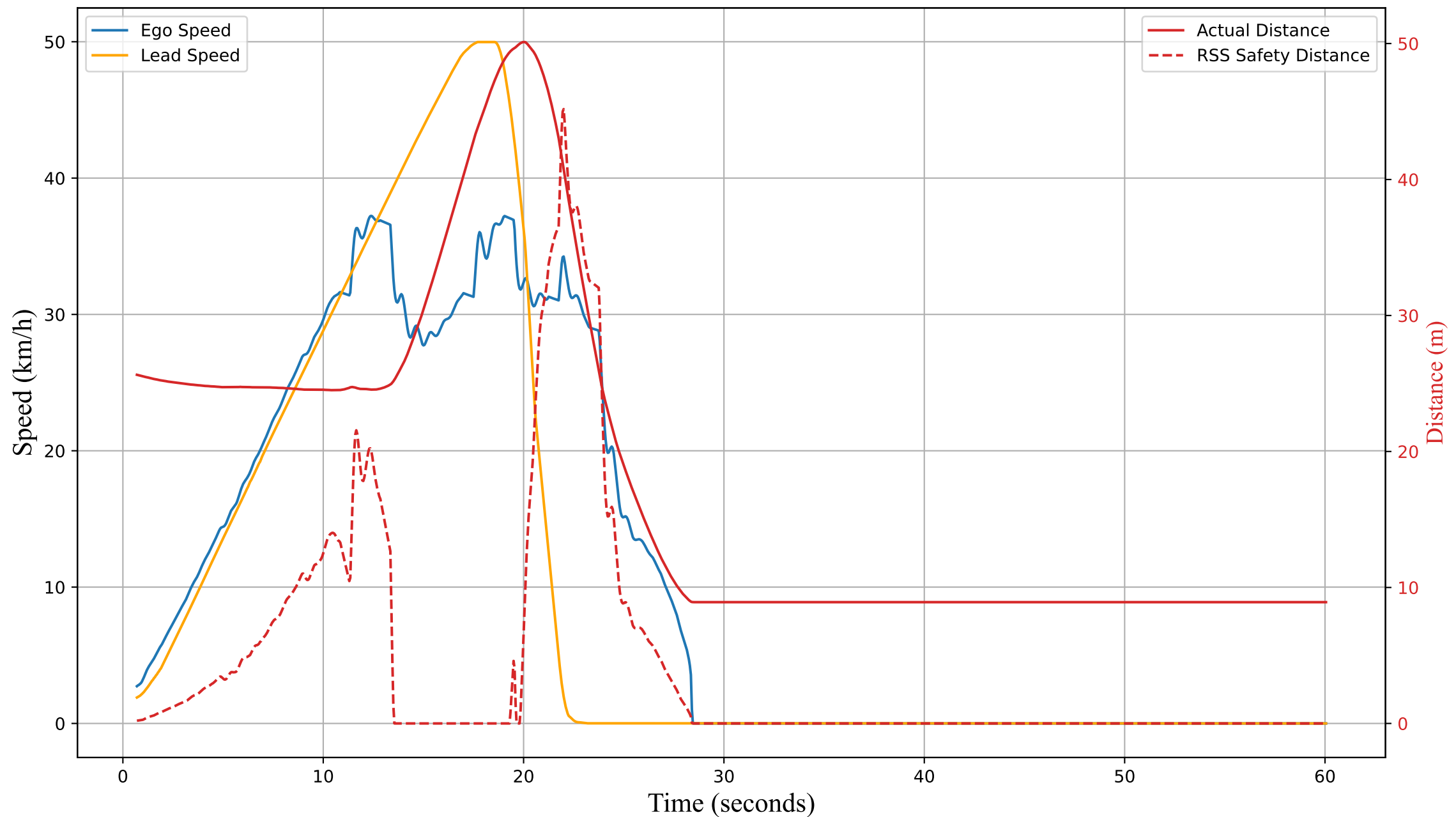


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=20 m

Ego Vehicle Jerk Over Time

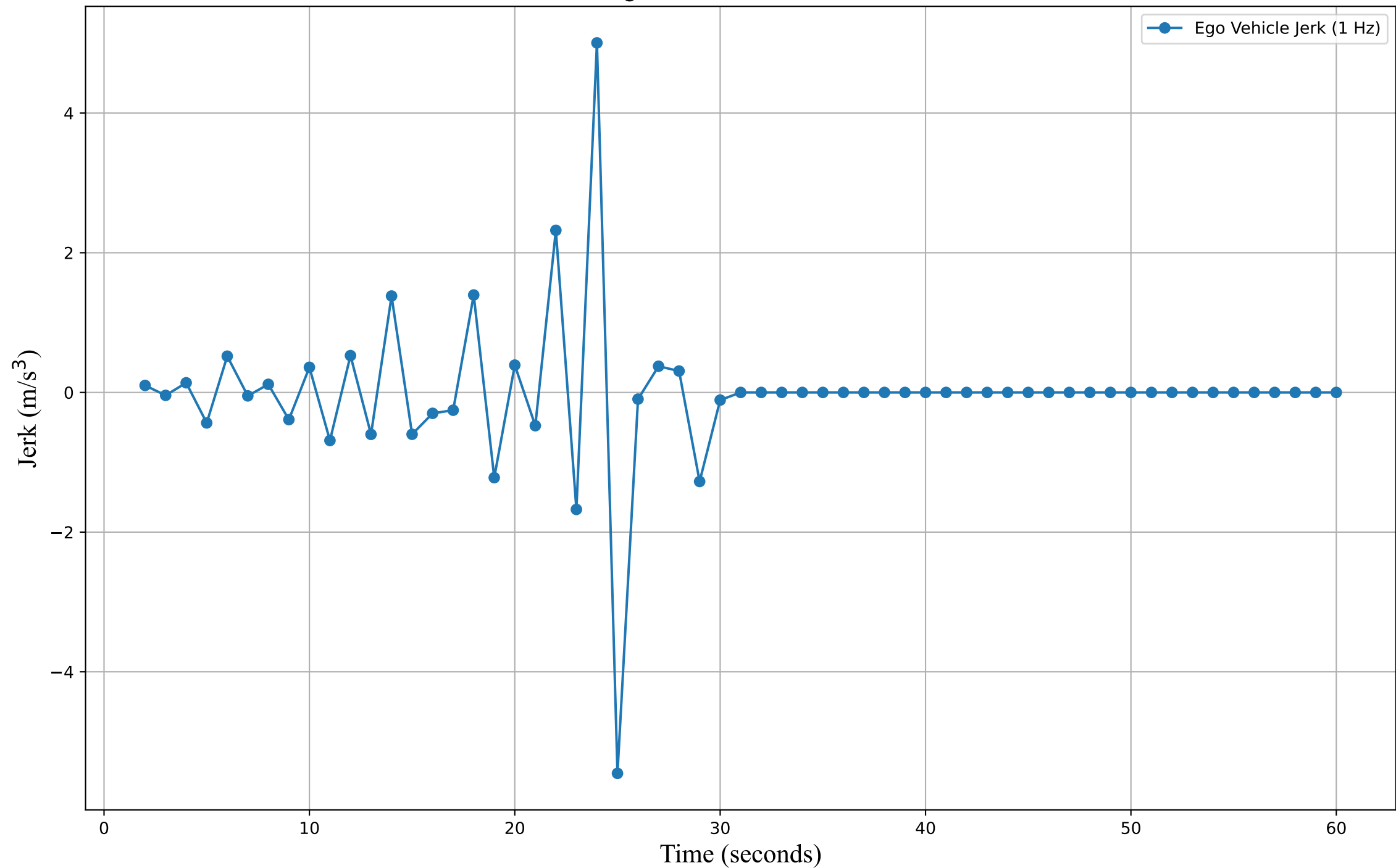


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=25 m
Speed, Distance, and RSS Minimum Safe Distance

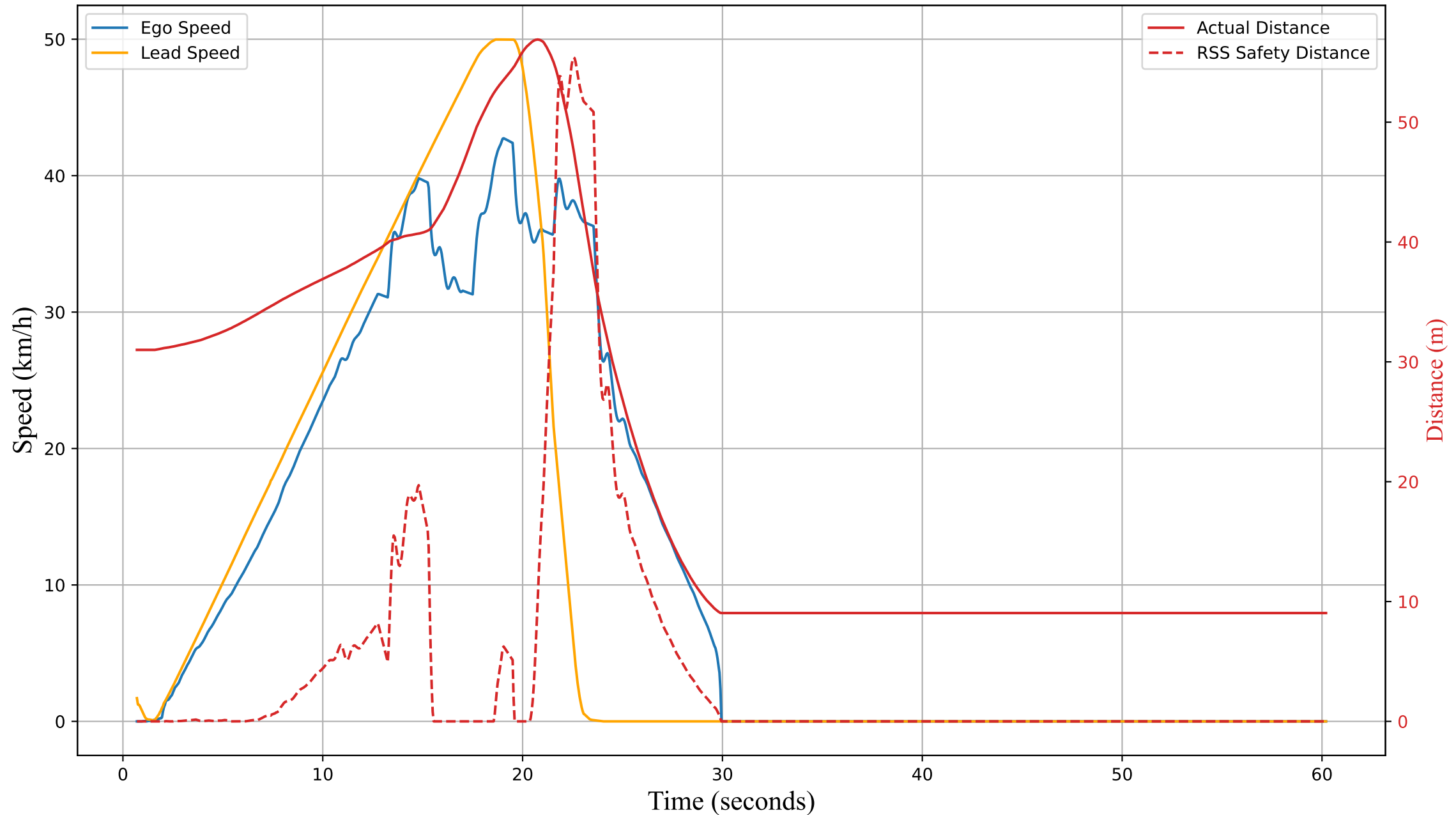


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=25 m

Ego Vehicle Jerk Over Time

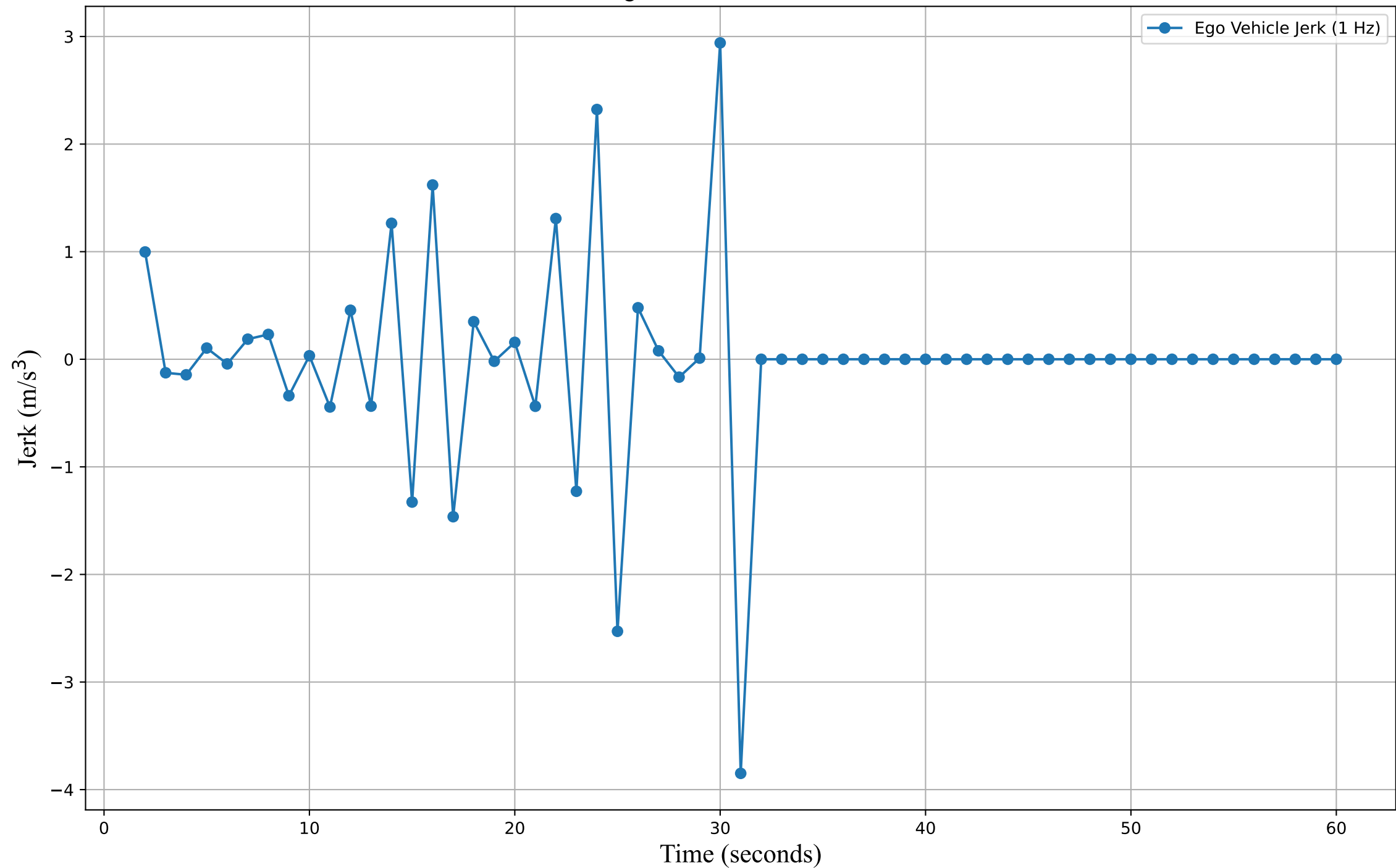


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=30 m
Speed, Distance, and RSS Minimum Safe Distance

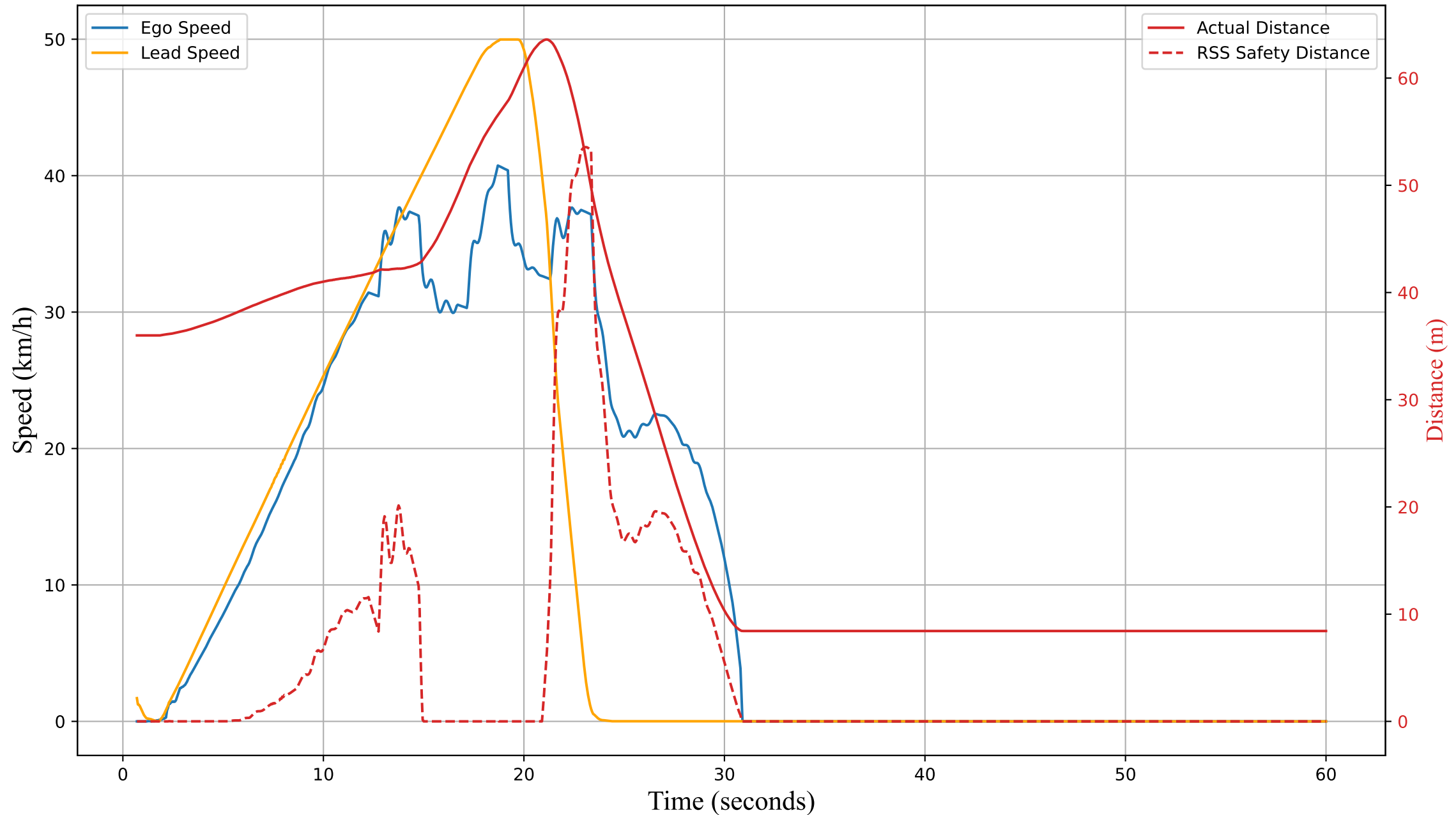


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=30 m

Ego Vehicle Jerk Over Time

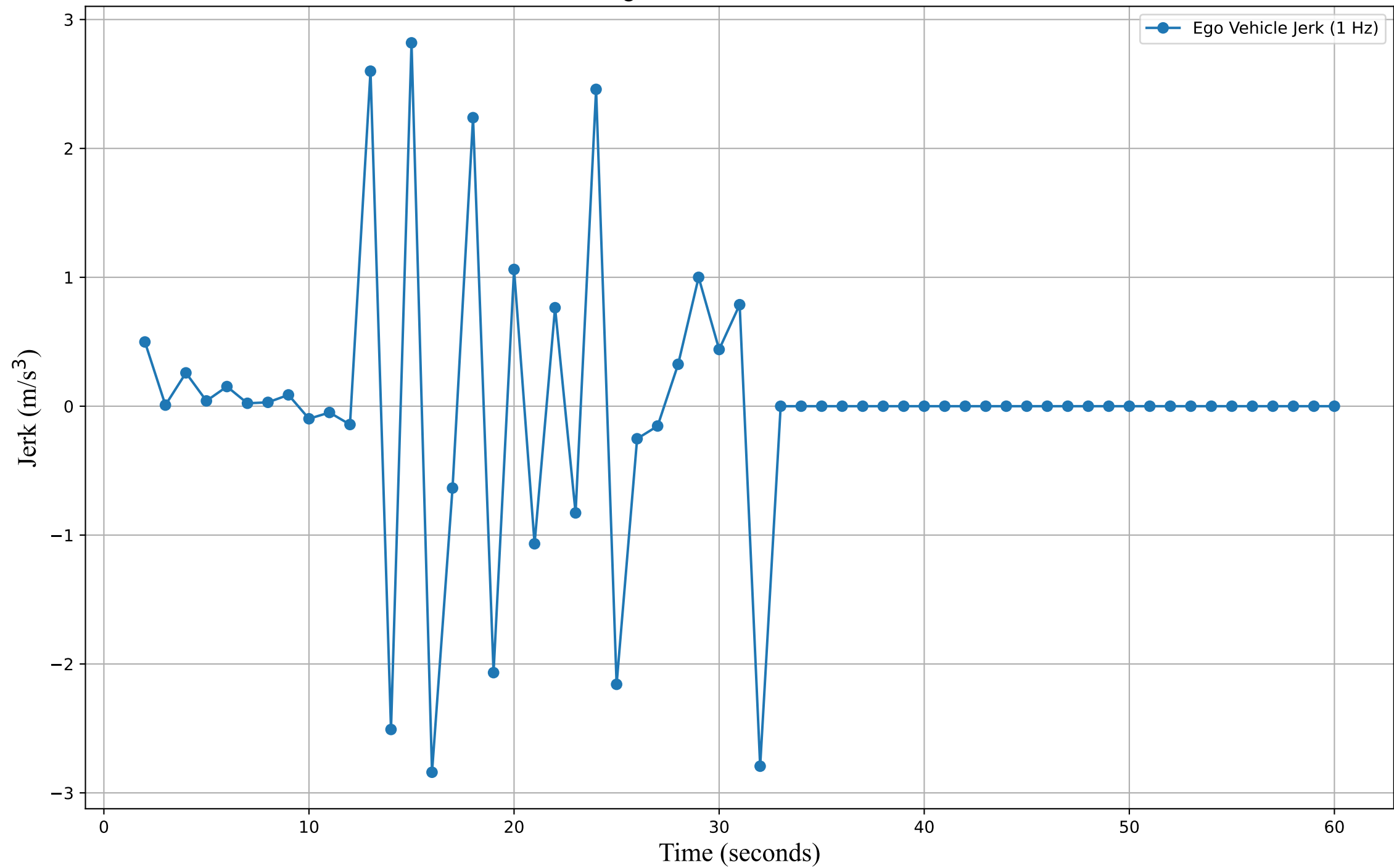


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=35 m
Speed, Distance, and RSS Minimum Safe Distance

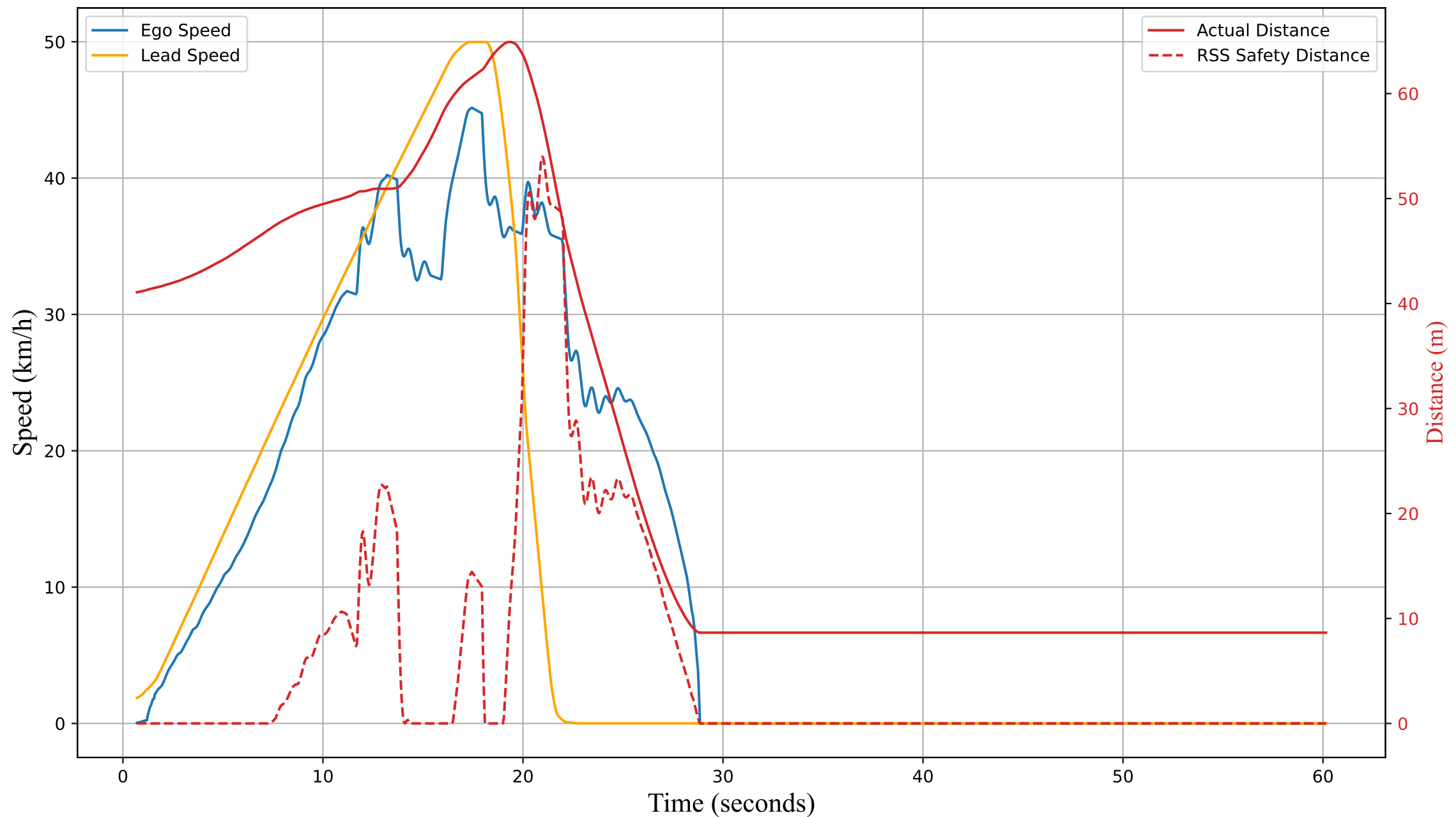


Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=35 m

Ego Vehicle Jerk Over Time



Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=40 m
Speed, Distance, and RSS Minimum Safe Distance



Ego Vehicle Speed=50 km/h, Lead Vehicle Speed=50 km/h, Initial Distance=40 m

Ego Vehicle Jerk Over Time

