

----- VEHICLE DATA -----

Vehicle Name:	Freightliner FLD 120	Class 3 Trailer
Vehicle Type:	Truck	Trailer
Vehicle Version Number:	V 2.0	V 2.00
Body Overall Length (in):	307.75	402.40
Body CG To Front (in):	158.75	250.00
Body CG To Rear (in):	-149.00	-152.40
Body Overall Width (in):	96.00	96.00
CG Elevation (in):	45.35	35.13
Roll Couple Dist:	0.20	0.55
Total Weight (lb):	22449.84	9049.87
Total Mass (lb-sec ² /in):	58.10	23.42
Yaw Inertia (lb-sec ² -in):	658984.75	336384.41
3-D Geometry Filename:	Centraldumplv1win.iv	CBridgeTrailerIV1.iv
Number of Vertices:	4996	1997
Number of Damaged Vertices:	0	0

	A Stiff (lb/in)	B Stiff (lb/in ²)	A Stiff (lb/in)	B Stiff (lb/in ²)
Front End:	1000.0	250.0	1000.0	250.0
Right Side:	1000.0	250.0	1000.0	250.0
Back End:	1000.0	250.0	1000.0	250.0
Left Side:	1000.0	250.0	1000.0	250.0

----- WHEEL AND TIRE DATA -----

Wheels & Tires, Front Axle --	Right	Left	Right	Left
Wheel Locn (in) - x:	125.70	125.70	68.25	68.25
y:	40.75	-40.75	36.00	-36.00
z:	24.00	24.00	20.70	20.70
Tire Name:	Generic Rib	Generic Rib	Generic	Generic
Tire Size:	11.00R20H	11.00R20H	LT235/75R15	LT235/75R15
Inner-dual Space (in):			13.50	13.50
Slide Mu (*):	0.55	0.55	0.60	0.60
Vel Dependence (sec/in):	-0.00031	-0.00031	0.00000	0.00000
Cornering Stiffness (lb/deg):	-580.99	-580.99	-220.00	-220.00

Second Axle --	Right	Left	Right	Left
Wheel Locn (in) - x:	-62.05	-62.05	-28.40	-28.40
y:	36.25	-36.25	36.00	-36.00
z:	24.00	24.00	20.70	20.70
Tire Name:	Generic Rib	Generic Rib	Generic	Generic
Tire Size:	11.00R20H	11.00R20H	LT235/75R15	LT235/75R15
Inner-dual Space (in):	12.88	12.88	13.50	13.50
Slide Mu (*):	0.55	0.55	0.60	0.60
Vel Dependence (sec/in):	-0.00031	-0.00031	0.00000	0.00000
Cornering Stiffness (lb/deg):	-580.99	-580.99	-220.00	-220.00

Third Axle --	Right	Left
Wheel Locn (in) - x:	-112.55	-112.55
y:	36.25	-36.25
z:	24.00	24.00
Tire Name:	Generic Rib	Generic Rib
Tire Size:	11.00R20H	11.00R20H
Inner-dual Space (in):	12.88	12.88
Slide Mu (*):	0.55	0.55
Vel Dependence (sec/in):	-0.00031	-0.00031
Cornering Stiffness (lb/deg):	-580.99	-580.99

-----DRIVER CONTROL TABLES -----

Driver Controls for Freightliner FLD 120

Steer Table:

Time (sec)	R/F (deg)	L/F (deg)	R/R (deg)	L/R (deg)	R/T (deg)	L/T (deg)
0.0000	0.00	0.00	0.00	0.00	0.00	0.00
2.5000	0.00	0.00	0.00	0.00	0.00	0.00
3.5000	-0.54	-0.54	0.00	0.00	0.00	0.00
5.5000	0.14	0.14	0.00	0.00	0.00	0.00
6.5000	-0.23	-0.23	0.00	0.00	0.00	0.00

Throttle Table:

Time (sec)	R/F (%/100)	L/F (%/100)	R/R (%/100)	L/R (%/100)	R/T (%/100)	L/T (%/100)
0.0000	0.00	0.00	0.00	0.00	0.00	0.00

Brake Table:

Time (sec)	R/F (%/100)	L/F (%/100)	R/R (%/100)	L/R (%/100)	R/T (%/100)	L/T (%/100)
0.0000	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10

Driver Controls for Class 3 Trailer

Steer Table:

Time (sec)	R/F (deg)	L/F (deg)	R/R (deg)	L/R (deg)
0.0000	0.00	0.00	0.00	0.00

Throttle Table:

Time (sec)	R/F (%/100)	L/F (%/100)	R/R (%/100)	L/R (%/100)
0.0000	0.00	0.00	0.00	0.00

Brake Table:

Time (sec)	R/F (%/100)	L/F (%/100)	R/R (%/100)	L/R (%/100)
0.0000	0.00	0.00	0.00	0.00