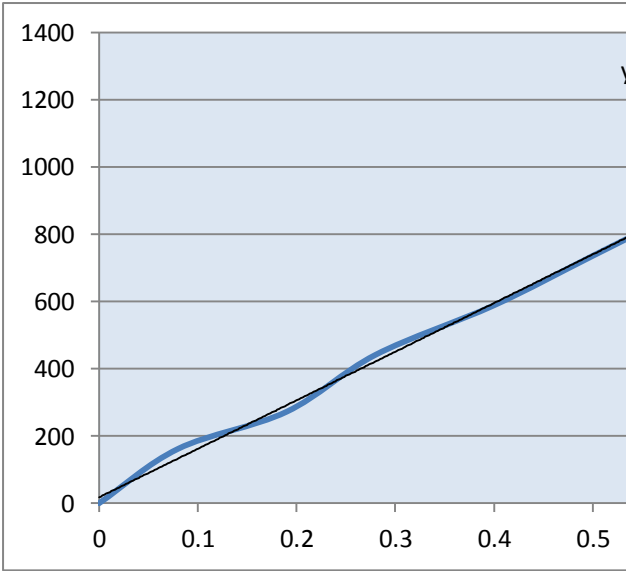


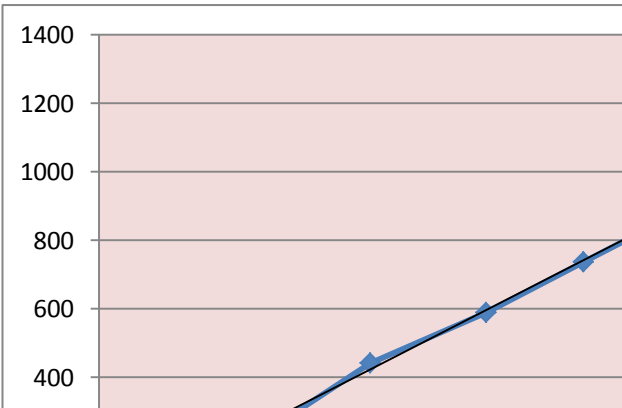
Example of analysis for F

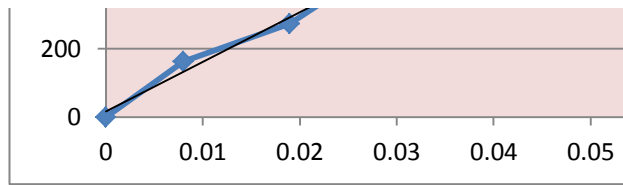
Load applied to lever arm at FRONT

Front Right Wheel Scale	Front Left Whee Scale
kg	kg
<i>Record as +ve value</i>	<i>Record as +ve value</i>
0	0
10	12
20	17
30	30
40	40
50	50
60	60
70	70
80	80
90	90



All results plotted give a roll stiffi



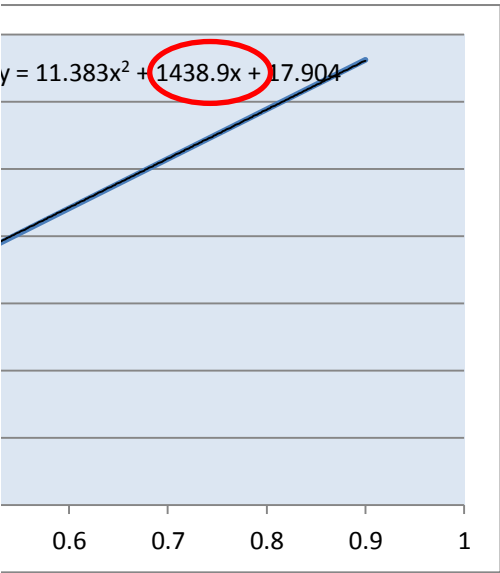


Chassis stiffness is 14491 Nr

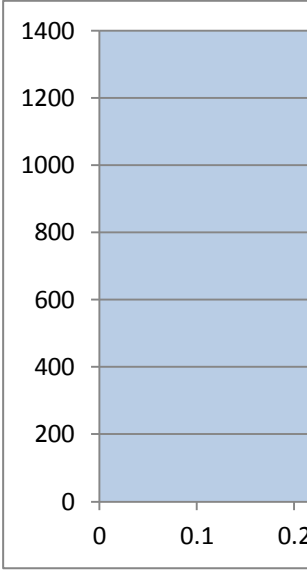
Front Roll stiffness and Chassis Stiff

Front track 1.5

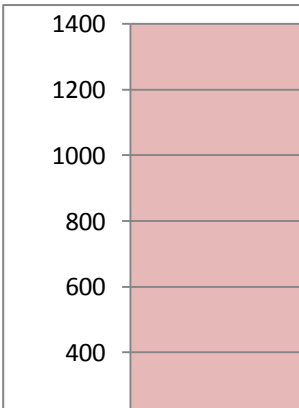
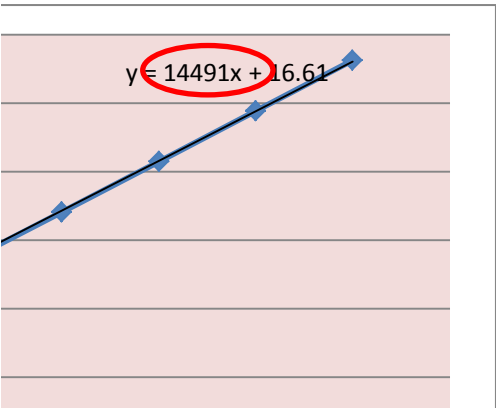
Mean front wheel load	Front Roll moment
N	Nm
$9.81 * (Front\ Right + Front\ Left) / 2$	$Front\ Track * Mean\ wheel\ load$
0	0
107.91	161.865
181.485	272.2275
294.3	441.45
392.4	588.6
490.5	735.75
588.6	882.9
686.7	1030.05
784.8	1177.2
882.9	1324.35

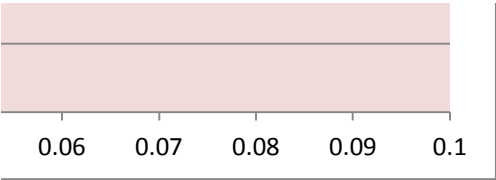


ness of 1438.9 Nm/deg

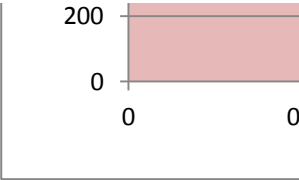


More consiste





n/deg

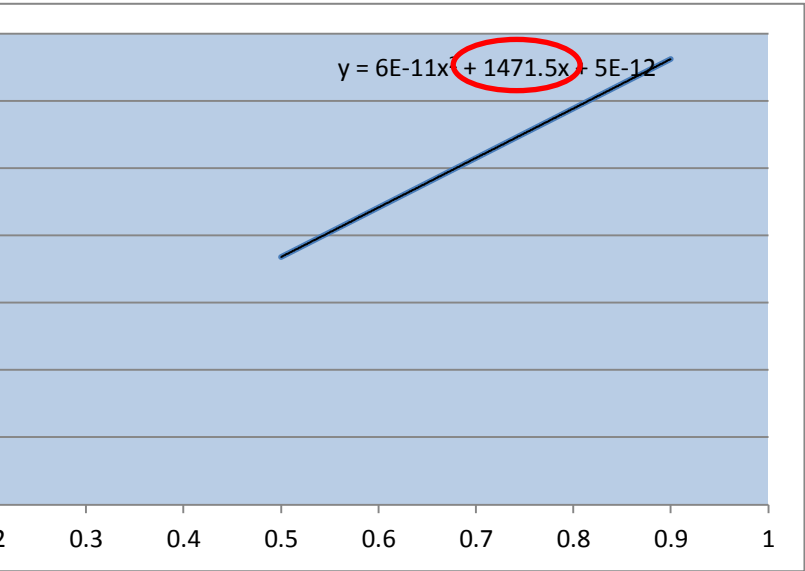


Chassis sti

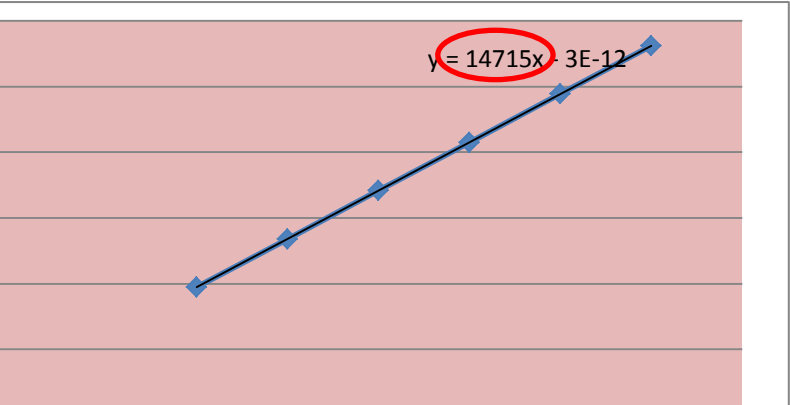


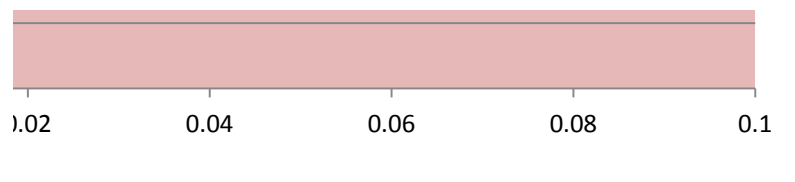
ness

Front suspension plane roll angle	Rear bulkhead plane roll angle	Chassis Twist
deg	deg	deg
0	0	0
0.08	0.088	0.008
0.19	0.209	0.019
0.28	0.308	0.028
0.4	0.44	0.04
0.5	0.55	0.05
0.6	0.66	0.06
0.7	0.77	0.07
0.8	0.88	0.08
0.9	0.99	0.09



ent results only plotted give the stiffness as 1471.5 Nm/deg





ffness using more consistent results = 14715Nm/deg

Front Roll moment (copy)
Nm
<i>Front Track * Mean wheel load</i>
0
161.865
272.2275
441.45
588.6
735.75
882.9
1030.05
1177.2
1324.35

