MARS MIDWEST ACCIDENT RECONSTRUCTION SERVICES

	load 1 cornering stiffness load lbf	load 1 cornering stiffness lbf/deg	load 2 cornering stiffness load lbf	load 2 cornering stiffness lbf/deg	load 3 cornering stiffness load lbf	load 3 cornering stiffness lbf/deg
Firestone "Temporary Use Only" T125/70-D14 (1083-5)	600.0	152.0	900.0	187.0	1300.0	195.0
Vredestein "Space Master" 165/70-16 (tire 1083-4)	600.0	228.0	900.0	225.0	1300.0	203.0

#	car designation	model year(s)	tire size	aligning torque coefficient in-lbf/deg	pneumatic trail inches	load 1 cornering stiffness load lbf	load 1 cornering stiffness lbf/deg	load 2 cornering stiffness load lbf	load 2 cornering stiffness lbf/deg	front tire cornering stiffness interpolated value lbf/deg	rear tire cornering stiffness interpolated value lbf/deg
1	Acura 3.2TL 4-door	2000-2003	205/60-R16	283.20	-1.30	667.0	152.2	1334.0	267.7	230.1	149.8
2	Audi A4 2.0T Quattro	2005-2009	235/45-R17	571.42	-0.75	716.5	233.8	1433.0	350.0	289.9	242.3
3	BMW 3-series	2006-2013	205/55-R16	571.42	-0.81	639.5	176.4	1279.0	330.1	225.5	225.5
4	BMW318is	1992-1999	P205/60-R15	283.20	-1.30	667.0	148.5	1334.0	261.2	159.5	159.9
5	BMW 323i	2006-2013	P205/55-R16	571.42	-0.59	639.5	176.4	1279.0	330.1	225.9	237.9
6	740iL	1995-2001	235/60-R16	571.42	-0.96	821.0	228.4	1642.0	341.9	266.8	256.1
7	Buick Century	1982-1996	P185/75-R14	381.58	-1.14	573.0	120.6	1146.0	164.3	148.1	116.2
8	Buick LaCrosse	2010-2015	P245/50-R17	61.09	-0.84	992.0	232.8	1984.0	334.5	250.5	212.2
9	Buick LeSabre	1986-1991	205/75-R14	410.40	-1.07	762.6	125.2	1532.7	163.9	139.3	116.5
10	Buick Regal	1978-1987	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	140.6	123.9
11	Buick Skylark	1985-1991	P185/70-R14	381.58	-1.14	573.0	123.0	1146.0	167.7	140.9	117.4
12	Cadillac CTS	2008-2913	P235/50-R18	571.42	-0.79	760.5	239.8	1521.0	359.0	330.6	242.9
13	Cadillac Catera	1997-2001	P225/55-R16	571.42	-1.61	650.0	177.4	1300.0	331.9	272.2	233.2
14	Cadillac Coupe de Ville	1977-1985	P225/75-R15	614.20	-1.27	940.3	188.7	1865.3	217.6	196.5	190.1
15	Cadillac DTS	2006-2011	P235/55-R17	571.42	-0.84	760.5	239.8	1521.0	359.0	324.3	239.4
16	Chevrolet Beretta	1987-1996	P195/70-R14	421.20	-0.93	659.4	163.8	1311.9	258.4	190.6	134.8
17	Chevrolet Camaro	1982-1992	P215/65-R15	283.20	-1.34	727.0	147.6	1455.0	259.6	175.5	143.0
18	Chevrolet Caprice	1991-1996	P215/70-R15	614.20	-1.23	717.0	184.0	1433.0	212.1	197.1	191.6
19	Chevrolet Cavalier	1995-2005	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	143.1	112.8
20	Chevrolet Celebrity	1982-1990	P185/75-R14	381.58	-1.14	573.0	120.6	1146.0	164.3	152.0	116.2
21	Chevrolete Chevelle Malibu Classsic	1974-1977	P215/75-R15	543.72	-1.27	932.7	151.7	1866.5	201.5	160.5	152.8
22	Chevrolet Cobalt	2003-2010	P205/55-R16	571.42	-0.75	639.5	176.4	1279.0	330.1	231.6	176.3
23	Chevrolet Corsica	1987-1996	P185/70-R14	381.58	-1.14	573.0	123.0	1146.0	167.7	144.4	114.1
24	Chevrolet Corvette	1984-1989	P255/50-VR16	571.42	-1.61	800.0	246.4	1600.0	368.8	265.5	243.0
25	Chevrolet Cruze	2011-2015	P215/60-R16	614.20	-0.81	717.0	188.6	1433.0	217.4	197.4	188.3
26	Chevrolet Impala	1972-1976	P225/75-R15	614.20	-1.27	940.3	188.7	1865.3	217.6	194.6	190.7
27	Chevrolet Impala SS	1991-1997	P225/50-VR16	571.42	-1.61	800.0	246.4	1600.0	368.8	284.7	263.6
28	Chevrolet Lumina	1995-2001	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	147.0	117.0
29	Chevrolet Malibu	2007-2012	P225/50-R17	571.42	-0.78	716.5	181.0	1433.0	338.6	261.1	169.1
30	Chevrolet Monte Carlo	1978-1988	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	137.3	126.6
31	Chevrolet Nova	1984-1987	P175/70-R13	220.57	-0.87	496.0	109.6	992.0	168.2	126.3	105.8
32	Chevrolet Sonic	2012-2015	P195/65-R15	282.20	-0.89	607.3	125.5	1230.1	220.6	160.5	125.2
33	Chrysler 200	2007-2014	P225/55-R17	571.42	-0.75	650.0	177.4	1300.0	331.9	269.5	185.4
34	Chrysler 300	2005-2015	P215/65-R17	571.42	-0.84	760.5	180.7	1521.0	339.0	240.4	232.0
35	Chrysler 300M	1999-2004	P225/55-R17	571.42	-0.88	650.0	177.4	1300.0	331.9	293.2	179.6
36	Chrysler Cirrus	1995-2001	P195/65-R15	282.20	-0.86	607.3	125.5	1230.1	220.6	226.2	132.9
37	Chrysler Intrepid	1993-1997	P205/70-R15	283.20	-0.82	667.0	141.4	1334.0	248.7	200.4	134.7
38	Chrysler New Yorker	1983-1988	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	131.9	116.6
39	Chrysler Sebring	2001-2006	P205/60-R16	283.20	-0.76	667.0	152.2	1334.0	267.7	217.0	137.8
40	Dodge Aries 4-door	1981-1989	P175/80-R13	220.57	-1.06	567.0	105.0	1135.0	161.2	126.9	102.2
41	Dodge Avenger Sedan R/T	2007-2014	P215/55-R18	571.42	-0.81	650.0	181.0	1300.0	338.6	308.1	183.4
42	Dodge Caliber Hatchback SXT	2007-2015	P215/60-R17	571.42	-0.83	760.5	180.7	1521.0	339.0	212.4	164.1
43	Dodge Charger 2-door	1968-1970	P205/65-R15	283.20	-1.30	667.0	141.4	1334.0	248.7	202.7	164.4
44	Dodge Colt 2-door	1993-1996	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	93.7	75.1
45	Dodge Colt Vista Wagon	1984-1991	P185/70-R14	381.58	-1.14	573.0	123.0	1146.0	167.7	139.9	120.9
46	Dodge Dart SXT	2013-2015	P225/45-R17	571.42	-1.23	617.5	239.7	1235.0	358.7	313.6	252.5
47	Dodge Intrepid SE	1998-2004	P225/60-R16	571.42	-1.61	650.0	177.4	1300.0	331.9	289.0	169.1
48	Dodge Neon 4-door	1995-1999	P185/65-R14	421.20	-0.93	649.0	168.7	1302.0	266.1	194.5	132.3
49	Dodge Stealth 2-door	1991-1996	P225/55-R16	571.42	-1.61	650.0	177.4	1300.0	331.9	255.4	173.0
50	Dodge Stratus 4-door	1995-2001	P195/65-R15	283.20	-0.86	607.3	125.5	1230.1	220.6	226.2	132.9
51	Ford Crown Victoria 4-door	2003-2010	P226/60-R16	571.42	-1.61	650.0	177.4	1300.0	331.9	293.7	230.6
52	Ford Crown Victoria LTD 4-door	1979-1991	P215/70-R15	614.20	-1.23	717.0	184.0	1433.0	212.1	196.9	191.3
53	Ford Escort 2-door hatchback	1986-1990	P175/70-R14	381.58	-1.14	573.0	120.0	1146.0	163.5	131.2	108.0
54	Ford Fiesta sedan SE	2011-2015	P185/60-R15	421.20	-0.65	501.0	172.0	1003.0	271.3	219.8	195.3
55	Ford 500 SEL 4-door	2005-2007	P215/60-R17	571.42	-0.93	760.5	180.7	1521.0	339.0	256.4	173.2
56	Ford Focus sedan SES	2005-2011	P215/45-R17	571.42	-0.61	821.0	228.4	1642.0	341.9	224.8	203.3
57	Ford Focus SE 4-door	2000-2011	P185/65-R14	421.20	-0.93	649.0	168.7	1302.0	266.1	198.4	146.9
58	Ford Fusion sedan SE	2006-2012	P205/60-R16	283.20	-0.74	667.0	152.2	1334.0	267.7	207.0	153.0
59	Ford Fusion SE	2010-2011	P225/50-R17	571.42	-0.78	716.5	181.0	1433.0	338.6	247.0	162.7
60	Ford Grand Torino 4-door	1974-1976	P215/70-R14	416.40	-1.00	778.7	144.7	1558.0	207.1	166.3	160.1
61	Ford Granada 2-door	1975-1980	P205/75-R14	410.40	-1.07	762.6	125.2	1532.7	163.9	131.6	129.2
62	Ford Mustang fastback	1968	P245/60-R14	454.80	-0.95	797.3	147.5	1006.8	219.0	151.8	107.3
63	Ford Pinto 2-door	1974-1980	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	94.7	85.8
64	Ford Probe 2-door hatchback	1993-1997	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	141.6	114.2
65	Ford Taurus 4-door	1986-1991	P195/75-R14	381.58	-1.08	708.0	126.2	1339.2	172.0	145.8	116.7
66	Ford Taurus SEL sedan	210-2015	P235/55-R18	571.42	-0.82	790.8	234.1	1582.0	350.4	298.2	234.4
67	Ford Tempo 4-door	1984-1994	P175/80-R13	220.57	-10.60	567.0	105.0	1135.0	161.2	131.0	98.4
68	Ford Thunderbird coupe LX	1989-1998	P215/70-R15	614.20	-0.95	717.0	184.0	1433.0	212.1	195.9	185.4
69	Geo Prizm 4-door	1993-1997	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	99.4	79.7
70	Honda Accord 2-door hatchback	1982-1985	P195/75-R14	381.58	-1.08	708.0	126.2	1392.2	172.0	122.9	108.9
71	Honda Accord LX 4-door	1998-2002	P195/65-R15	283.20	-0.86	607.3	125.5	1230.1	220.6	177.8	118.5
72	Honda Accord LX V-6	1998-2002	P205/65-R16	283.20	-1.30	667.0	141.4	1334.0	248.7	199.4	129.3
73	Honda CRX 2-door	1988-1991	P175/70-R13	220.57	-0.87	496.0	109.6	992.0	168.2	130.7	106.0
74	Honda Civic 4-door	1984-1987	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	91.9	76.2
75	Honda Civic CVCC 3-door	1975-1979	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	84.8	71.5
76	Hyundai Accent GL	2012-2015	P175/70-R14	381.58	-0.77	573.0	120.0	1146.0	163.5	134.1	121.4
77	Hyundai Elantra sedan	2007-2010	P195/65-R15	283.20	-0.82	607.3	125.5	1230.1	220.6	172.7	115.7
78	Hyundai Genesis base	2009-2015	P225/55-R17	571.42	-0.67	650.0	177.4	1300.0	331.9	275.0	253.1
79	Hyundai Sonata base	1999-2006	P205/65-R15	283.20	-0.88	667.0	141.4	1334.0	248.7	200.9	138.1
80	Hyundai Tiburon SE	2003-2008	P205/55-R16	571.42	-0.75	639.5	176.4	1279.0	330.1	257.0	163.8
81	Jaguar S-Type 4-door	2000-2008	P235/50-R17	571.42	-0.79	760.5	239.8	1521.0	359.0	278.4	264.1
82	Jaguar XF supercharged	2008-2015	P255/35-R20	316.25	-0.77	800.0	246.4	1600.0	368.8	295.4	282.2
83	Kia Forte sedan EX	2010-2013	P205/55-R16	571.42	-0.78	639.5	176.4	1279.0	330.1	239.3	166.9
84	Kia Rio sedan LX	2012-2015	P185/65-R15	421.20	-0.75	649.0	168.7	1302.0	266.1	187.1	160.1
85	Kia Rio 5 hatchback LX	2006-2011	P175/70-R14	220.57	-0.80	496.0	109.6	992.0	168.2	141.5	114.6
86	Lexus ES300 4-door	1992-1996	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	141.5	118.2
87	Lexus ES330 4-door	2004-2006	P205/65-R15	283.20	-1.30	667.0	141.4	1334.0	248.7	186.8	139.1
88	Lincoln LS sedan V-8	2000-2008	P235/50-R17	571.42	-0.64	760.5	239.8	1521.0	359.0	280.4	266.4
89	Lincoln MKZ	2006-2012	P225/50-R17	571.42	-0.71	716.5	181.0	1433.0	338.6	277.5	184.4
90	Lincoln Town Car 4-door	1994-1997	P215/70-R15	614.20	-1.23	717.0	184.0	1433.0	212.1	199.8	190.9
91	Mazda 3 hatchback Sport GT	2004-2009	P205/50-R17	571.42	-0.74	639.5	176.4	1279.0	330.1	229.9	159.1
92	Mazda 5 hatchback touring	2006-2010	P205/50-R17	571.42	-0.74	639.5	176.4	1279.0	330.1	254.7	198.5
93	Mazda 626 4-door	1993-1997	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	141.3	115.1
94	Mazda MX-6 2-door	1993-1997	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	141.6	114.2
95	Mazda 6 4-door	2003-2008	P206/60-R16	283.20	-1.30	667.0	152.2	1334.0	267.7	213.3	141.1
96	Mazda Protégé LX 4-door	1995-1998	P175/70-R13	220.57	-0.87	496.0	109.6	932.0	168.2	150.1	101.4
97	Mercedes-Benz 300E 4-door	1986-1995	P195/65-R15	283.20	-0.86	607.3	125.5	1230.1	220.6	170.3	146.0
98	Mercedes-Benz C230	1994-2000	P205/60-R15	283.20	-1.30	667.0	148.5	1334.0	261.2	176.9	158.6
99	Mercedes-Benz C300 4matic	2008-2015	P225/45-R17	571.42	-0.56	617.5	239.7	1235.0	358.7	323.5	283.0
100	Mercedes-Benz E420 4-door	1986-1995	P195/65-R15	283.20	-0.86	607.3	125.5	1230.1	220.6	194.7	156.7
101	Mercedes-Benz S420 4-door	1992-1999	P225/60-R16	571.42	-1.61	650.0	177.4	1300.0	331.9	317.7	271.4
102	Mercury Cougar 2-door	1989-1996	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	143.0	134.3
103	Mercury Grand Marquis 4-door	1979-1991	P215/70-R15	614.20	-1.23	717.0	184.0	1433.0	212.1	196.9	191.3
104	Mercury Milan	2010	P225/50-R17	571.42	-0.78	716.5	181.0	1433.0	338.6	247.0	162.7
105	Mercury Montego 4-door	2005-2007	P215/60-R17	571.42	-0.93	760.5	180.7	1521.0	339.0	256.4	173.2
106	Mercury Sable 4-door	1986-1991	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	144.1	117.5
107	Mercury Topaz 4-door	1984-1994	P175/80-R13	220.57	-1.06	567.0	105.0	1135.0	161.2	131.0	98.4
108	Mercury Tracer 2-door hatchback	1991-1996	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	126.7	108.5
109	Mini Cooper	2002-2006	P195/55-R16	571.42	-0.74	584.0	145.2	1168.0	255.4	185.1	129.6
110	Mitsubishi 3000GT 2-door	1991-1999	P225/55-R16	571.42	-1.61	650.0	177.4	1300.0	331.9	255.4	173.0
111	Mitsubishi Eclipse RS	1995-1999	P195/70-R14	381.58	-0.72	573.0	123.0	1146.0	167.7	140.3	126.3
112	Mitsubishi Galant 4-door	1989-1992	P185/70-R14	381.58	-1.14	573.0	123.0	1146.0	167.7	145.5	121.2
113	Mitsubishi Lancer sedan ES	2008-2015	P205/60-R16	283.20	-0.74	667.0	152.2	1334.0	267.7	202.3	135.3
114	Mitsubishi Mirage 2-door	1993-1999	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	93.7	75.1
115	Nissan 350Z touring coupe	2003-2008	P225/45-R18	571.42	-0.60	617.5	239.7	1235.0	358.7	301.6	268.5
116	Nissan Altima sedan 2.5S	2007-2012	P215/60-R16	614.20	-0.87	717.0	188.6	1433.0	217.4	199.6	186.0
117	Nissan Altima GXE 4-door	1993-1997	P205/60-R15	283.20	-1.30	667.0	148.5	1334.0	261.2	200.7	124.1
118	Nissan Maxima 4-door	1986-1988	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	145.2	118.2
119	Nissan Sentra 2-door	1987-1990	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	95.0	78.2
120	Nissan Versa S	2007-2012	P185/65-R15	421.20	-0.81	649.0	168.7	1302.0	266.1	190.7	162.0
121	Oldsmobile Achieva 4-door	1992-1998	P185/75-R14	381.58	-1.14	573.0	120.6	1146.0	164.3	152.2	117.5
122	Oldsmobile Alero 2-door	1999-2004	P215/60-R15	614.20	-1.23	717.0	188.6	1433.0	217.4	200.0	179.7
123	Oldsmobile Calais 2-door	1985-1991	P185/70-R14	381.58	-1.14	573.0	123.0	1146.0	167.7	140.9	117.4
124	Oldsmobile Cutlass Ciera 4-door	1982-1996	P185/75-R14	381.58	-1.14	573.0	120.6	1146.0	164.3	152.0	116.2
125	708	1978-1987	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	140.6	123.9
126	Oldsmobile Delta 88 4-door	1986-1991	P205/75-R14	410.40	-1.07	726.6	125.2	1532.7	163.9	140.4	118.6
127	Oldsmobile Eighty Eight sedan	1992-1999	P215/65-R165	283.20	-0.92	727.0	147.6	1455.0	259.6	207.3	128.9
128	Opel Omega 4-door	1997-2001	P225/55-R16	571.42	-1.61	650.0	177.4	1300.0	331.9	272.2	233.2
129	Plymouth Breeze 4-door	1996-2000	P195/65-R15	283.20	-0.86	607.3	125.5	1230.1	220.6	226.2	132.9
130	Plymouth Caravelle 4-door	1985-1988	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	131.9	116.6
131	Plymouth Neon 4-door	1995-1999	P185/65-R14	421.20	-0.93	649.0	168.7	1302.0	266.1	194.5	132.3
132	Plymouth Reliant 4-door	1981-1989	P175/80-R13	220.57	-1.06	567.0	105.0	1135.0	161.2	126.9	102.2
133	Pontiac 6000 4-door	1982-1990	P185/75-R14	381.58	-1.14	573.0	120.6	1146.0	164.3	152.0	116.2
134	Pontiac Firebird 2-door	1974-1981	P215/65-R15	283.20	-1.34	727.0	147.6	1455.0	259.6	219.0	156.3
135	Pontiac G6 GXP sedan	2003-2010	P225/50-R18	571.42	-0.94	716.5	181.0	1433.0	338.6	257.5	179.4
136	Pontiac Grand Am 2-door	1992-1998	P185/70-R14	381.58	-1.14	573.0	123.0	1146.0	167.7	140.9	117.4
137	Pontiac Sunfire 2-door	1995-2005	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	143.1	112.8
138	Saturn SL1 sedan 4-door	1996-2002	P175/70-R14	381.58	-1.14	573.0	120.0	1146.0	163.5	131.0	110.5
139	Subaru GL 4-door wagon	1985-1989	P175/70-R13	220.57	-0.87	496.0	109.6	992.0	168.2	135.1	123.8
140	Subaru Impreza 4-door	1993-2001	P175/70-R14	381.58	-1.14	573.0	120.0	1146.0	163.5	137.8	111.0
141	Subaru Legacy 4-door wagon	1990-1994	P185/70-R14	381.58	-1.14	573.0	123.0	1146.0	167.7	145.1	135.1
142	Subaru Legacy Outback 4-door wagon	2000-2004	P225/60-R16	571.42	-1.61	650.0	177.4	1300.0	331.9	276.5	207.9
143	Suzuki SX4 hatchback	2007-2013	P195/65-R15	283.20	-1.04	607.3	125.5	1230.1	220.6	163.7	121.7
144	Suzuki Swift hatchback + S	2007-2013	P185/60-R14	421.20	-0.73	501.0	172.0	1003.0	271.3	225.2	179.2
145	Toyota Camry 4-door	1987-1991	P195/75-R14	381.58	-1.08	708.0	126.2	1399.2	172.0	139.3	116.7
146	Toyota Camry LE 4-door	2002-2006	P205/65-R15	283.20	-1.30	667.0	141.4	1334.0	248.7	186.8	139.1
147	Toyota Celica 2-door	1982-1985	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	100.1	80.6
148	Toyota Celica GT 2-door	1990-1993	P185/65-R14	421.20	-0.93	649.0	168.7	1302.0	266.1	206.9	139.8
149	Toyota Corolla 4-door	1984-1987	P175/70-R13	220.57	-0.87	496.0	109.6	992.0	168.2	126.3	105.8
150	Toyota Corolla LE 4-door	2003-2008	P195/65-R14	283.20	-0.86	607.3	125.5	1230.1	220.6	153.8	107.7
151	Toyota Matrix Base	2009-2013	P205/55-R16	571.42	-0.65	639.5	176.4	1279.0	330.1	225.9	178.1
152	Toyota Prius liftback	2004-2009	P185/65-R15	421.20	-0.74	649.0	168.7	1302.0	266.1	201.2	158.1
153	Toyota Tercel 2-door hatchback	1987-1990	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	111.3	89.0	77.9
154	Toyota Yaris hatchback LE	2012-2015	P175/65-R15	381.58	-0.84	573.0	120.0	1146.0	163.5	131.3	116.2
155	Volkswagen Beetle 2-door	1956-1965	P165/80-R15	285.33	-1.33	567.5	114.9	1135.0	152.8	105.6	116.4
156	Volkswagen Cabriolet convertible	1980-1993	P175/70-R13	220.57	-0.87	496.0	109.6	992.0	168.2	128.3	104.0
157	Volkswagen Fox 2-door wagon	1987-1993	P175/70-R13	220.57	-0.87	496.0	109.6	992.0	168.2	128.2	100.0
158	Volkswagen GTI	1999-2006	P205/55-R16	571.42	-0.76	639.5	176.4	1279.0	330.1	248.1	155.8
159	Volkswagen Golf city	2008	P195/65-R15	283.20	-0.94	607.3	125.5	1230.1	220.6	160.8	114.6
160	Volkswagen Jetta 4-door	1985-1992	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	98.0	78.3
161	Volkswagen Rabbit 2-door	1975-1979	P155/80-R13	210.28	-0.92	477.5	81.5	959.0	113.3	92.5	72.7
162	Volvo 740 4-door wagon	1983-1998	P185/70-R14	381.58	-1.14	573.0	123.0	1146.0	167.7	143.2	138.8
163	Volvo V70 XC wagon	2002-2010	P216/65-R16	571.42	-1.13	821.0	228.4	1642.0	341.9	259.2	232.8
	MAXIMUM VALUE					992.00	246.40	1984.00	368.80	330.63	282.97
	MINIMUM VALUE					477.50	81.50	932.00	111.30	84.78	71.48
	AVERAGE VALUE					651.51	150.69	1298.54	236.19	189.62	151.17
	STANDARD DEVIATION					99.15	41.10	196.84	77.09	60.73	50.06

#	a inches	b inches	wheelbase inches	total Izz in-lbf-sec^2	OAL weight lbf	front/rear weight dist. %/100	front tires static weight lbf	individual front tire static weight lbf	rear tires static weight lbf	individual rear tire static weight lbf	Firestone space-saver vertical loads used lbf	front tire space-saver cornering stiffness interpolated value lbf/deg	Firestone space-saver vertical loads used lbf	rear tire space-saver cornering stiffness interpolated value lbf/deg
1	39.06	69.04	108.10	25,459.76	3539	0.68	2233.55	1116.78	1305.87	652.94	2 & 3	191.34	1 & 2	158.18
2	43.36	60.89	104.25	25,459.76	3539	0.68	2124.32	1062.16	1538.30	769.15	2 & 3	190.24	1 & 2	171.73
3	54.33	54.33	108.66	24,558.03	3376	0.50	1687.89	843.95	1687.90	843.95	1 & 2	180.46	1 & 2	180.46
4	53.24	53.06	106.30	25,086.19	2934	0.50	1464.64	732.32	1469.30	734.65	1 & 2	167.44	1 & 2	167.71
5	55.96	52.67	108.63	25,796.96	3482	0.49	1690.75	845.38	1790.94	895.47	1 & 2	180.63	1 & 2	186.47
6	58.20	62.80	121.00	36,645.63	4240	0.52	2197.09	1098.55	2042.88	1021.44	2 & 3	190.97	2 & 3	189.43
7	31.03	73.77	104.80	24,450.17	2998	0.66	1868.43	934.22	1030.04	515.02	2 & 3	187.68	1 & 2	142.09
8	44.65	67.11	111.76	30,963.09	3911	0.60	2329.75	1164.88	1581.67	790.84	2 & 3	192.30	1 & 2	174.26
9	39.18	71.62	110.80	28,542.25	3625	0.65	2087.10	1043.55	1177.98	588.99	2 & 3	189.87	1 & 2	150.72
10	43.29	64.80	108.09	24,984.93	3197	0.58	1850.56	925.28	1346.13	673.07	2 & 3	187.51	1 & 2	160.52
11	37.46	66.04	103.50	18,250.23	2607	0.62	1604.37	802.19	1001.90	500.95	1 & 2	175.59	1 & 2	140.44
12	40.96	72.43	113.39	35,177.76	4241	0.63	2679.95	1339.98	1560.76	780.38	2 & 3	195.80	1 & 2	173.04
13	48.93	58.55	107.48	25,376.60	3868	0.51	2098.08	1049.04	1769.79	884.90	2 & 3	189.98	1 & 2	185.24
14	52.19	69.31	121.50	36,823.09	4349	0.55	2381.37	1190.69	1967.56	983.78	2 & 3	192.81	2 & 3	188.68
15	41.81	73.68	115.49	33,532.80	4114	0.63	2598.73	1299.37	1515.32	757.66	2 & 3	194.99	1 & 2	170.39
16	34.10	69.29	103.39	24,838.36	2608	0.65	1688.55	844.28	919.26	459.63	1 & 2	180.50	1 & 2	135.62
17	41.73	59.27	101.00	18,572.72	3211	0.57	1817.31	908.66	1393.67	696.84	2 & 3	187.17	1 & 2	163.30
18	48.08	67.82	115.90	36,340.99	3925	0.54	2102.16	1051.08	1822.89	911.45	2 & 3	190.02	2 & 3	187.23
19	35.03	69.22	104.25	25,112.38	2937	0.66	1924.95	962.48	1011.69	505.85	2 & 3	188.25	1 & 2	141.02
20	31.03	73.77	104.80	24,450.17	2998	0.66	1968.43	984.22	1030.04	515.02	2 & 3	188.68	1 & 2	142.09
21	49.19	62.18	111.37	34,814.13	4104	0.54	2195.77	1097.89	1907.80	953.90	2 & 3	190.96	2 & 3	188.08
22	40.08	63.34	103.42	20,563.38	3016	0.58	1737.95	868.98	1277.96	638.98	1 & 2	183.38	1 & 2	156.55
23	33.62	69.69	103.31	25,760.85	2613	0.65	1695.65	847.83	917.58	458.79	1 & 2	180.91	1 & 2	135.53
24	43.68	52.52	96.20	18,548.10	3404	0.54	1849.12	924.56	1555.06	777.53	2 & 3	187.49	1 & 2	172.71
25	42.23	63.54	105.77	23,584.79	3292	0.57	1870.23	935.12	1421.31	710.66	2 & 3	187.70	1 & 2	164.91
26	56.02	65.23	121.25	32,264.86	4264	0.53	2258.14	1129.07	2005.79	1002.90	2 & 3	191.58	2 & 3	189.06
27	48.08	67.82	115.90	36,951.65	3925	0.54	2100.78	1050.39	1824.27	912.14	2 & 3	190.01	2 & 3	187.24
28	37.67	69.83	107.50	24,990.05	3180	0.64	2042.98	1021.49	1137.09	568.55	2 & 3	189.43	1 & 2	148.33
29	41.92	70.28	112.20	25,811.83	3485	0.62	2160.96	1080.48	1324.42	662.21	2 & 3	190.61	1 & 2	159.26
30	46.51	61.49	108.00	24,961.92	3182	0.55	1752.52	876.26	1429.08	714.54	1 & 2	184.23	1 & 2	165.36
31	38.49	57.26	95.75	15,669.20	2203	0.58	1274.66	637.33	928.21	464.11	1 & 2	156.36	1 & 2	136.15
32	37.87	61.43	99.30	19,154.16	2884	0.58	1673.33	836.67	1210.70	605.35	1 & 2	179.61	1 & 2	152.62
33	42.61	66.27	108.88	25,305.08	3442	0.60	2074.75	1037.38	1367.15	683.58	2 & 3	189.75	1 & 2	161.75
34	58.65	61.34	119.99	33,460.59	4109	0.51	2094.78	1047.39	2013.81	1006.91	2 & 3	189.95	2 & 3	189.14
35	40.65	72.35	113.00	27,094.53	3593	0.63	2274.54	1137.27	1318.74	659.37	2 & 3	191.75	1 & 2	158.93
36	35.96	71.90	107.86	25,423.24	3845	0.66	2533.93	1266.97	1311.14	655.57	2 & 3	194.34	1 & 2	158.48
37	41.85	71.15	113.00	23,900.10	3318	0.62	2067.23	1033.62	1250.88	625.44	2 & 3	189.67	1 & 2	154.97
38	42.32	60.98	103.30	24,288.06	2713	0.59	1587.53	793.77	1125.00	562.50	1 & 2	174.61	1 & 2	147.63
39	37.98	70.07	108.05	23,126.96	3250	0.64	2082.96	1041.48	1167.46	583.73	2 & 3	189.83	1 & 2	150.10
40	38.38	62.02	100.40	20,454.38	2655	0.59	1577.49	788.75	1077.08	538.54	1 & 2	174.02	1 & 2	144.83
41	38.33	70.61	108.94	28,029.09	3668	0.64	2348.71	1174.36	1319.47	659.74	2 & 3	192.49	1 & 2	158.97
42	43.85	59.84	103.69	22,390.66	3188	0.57	1825.75	912.88	1361.88	680.94	2 & 3	187.26	1 & 2	161.44
43	46.25	67.25	113.50	35,262.41	3716	0.56	2095.83	1047.92	1620.17	810.09	2 & 3	189.96	1 & 2	176.51
44	34.38	61.68	96.06	17,757.43	2085	0.63	1323.18	661.59	761.45	380.73	1 & 2	159.19	1 & 2	126.42
45	41.63	61.87	103.50	25,651.68	2670	0.59	1578.48	789.24	1091.51	545.76	1 & 2	174.08	1 & 2	145.67
46	42.64	63.79	106.43	24,473.49	3369	0.59	2001.47	1000.74	1367.35	683.68	2 & 3	189.01	1 & 2	161.76
47	39.06	73.94	113.00	36,751.47	3469	0.65	2238.84	1119.42	1229.88	614.94	2 & 3	191.39	1 & 2	153.74
48	33.03	70.97	104.00	18,895.73	2454	0.67	1643.64	821.82	810.00	405.00	1 & 2	177.88	1 & 2	129.25
49	37.45	59.79	97.24	18,574.92	3219	0.61	1956.12	978.06	1262.60	631.30	2 & 3	188.56	1 & 2	155.65
50	35.96	71.90	107.86	25,423.24	3845	0.66	2533.93	1266.97	1311.14	655.57	2 & 3	194.34	1 & 2	158.48
51	46.68	67.92	114.60	31,454.32	4026	0.57	2278.41	1139.21	1747.87	873.94	2 & 3	191.78	1 & 2	183.96
52	50.16	64.14	114.30	29,263.53	3899	0.54	2091.77	1045.89	1807.01	903.51	2 & 3	189.92	2 & 3	187.07
53	33.40	60.80	94.20	15,076.04	2272	0.63	1441.47	720.74	830.57	415.29	1 & 2	166.09	1 & 2	130.45
54	40.97	57.02	97.99	17,490.27	2723	0.62	1484.81	742.41	1237.96	618.98	1 & 2	168.61	1 & 2	154.21
55	43.64	69.26	112.90	27,692.67	3698	0.61	2248.51	1124.26	1449.33	724.67	2 & 3	191.49	1 & 2	166.54
56	45.40	57.18	102.58	18,992.55	2868	0.55	1589.38	794.69	1278.50	639.25	1 & 2	174.71	1 & 2	156.58
57	37.45	65.55	103.00	25,026.44	2701	0.63	1695.91	847.96	1005.03	502.52	1 & 2	180.93	1 & 2	140.63
58	43.12	64.36	107.48	23,817.74	3310	0.59	1966.68	983.34	1343.29	671.65	2 & 3	188.67	1 & 2	160.36
59	40.46	66.94	107.40	25,037.49	3300	0.62	2033.06	1016.53	1266.79	633.40	2 & 3	189.33	1 & 2	155.90
60	54.17	63.83	118.00	36,402.02	4038	0.52	2095.99	1048.00	1941.89	970.95	2 & 3	189.96	2 & 3	188.42
61	50.60	59.30	109.90	25,635.03	3463	0.51	1779.05	889.53	1683.94	841.97	1 & 2	185.78	1 & 2	180.23
62	45.57	62.43	108.00	25,713.16	2979	0.54	1619.88	809.94	1359.27	679.64	1 & 2	176.49	1 & 2	161.29
63	40.46	53.73	94.19	14,134.65	2440	0.55	1353.88	676.94	1085.85	542.93	1 & 2	160.98	1 & 2	145.34
64	36.17	66.73	102.90	24,925.27	2937	0.64	1881.82	940.91	1054.82	527.41	2 & 3	187.82	1 & 2	143.53
65	38.60	67.40	106.00	25,326.16	3111	0.63	1957.17	978.59	1153.35	576.68	2 & 3	188.57	1 & 2	149.28
66	43.66	69.30	112.96	32,583.42	4040	0.61	2454.21	1227.11	1586.04	793.02	2 & 3	193.54	1 & 2	174.52
67	36.90	63.10	100.00	19,775.08	2660	0.62	1659.57	829.79	1000.41	500.21	1 & 2	178.81	1 & 2	140.36
68	47.46	65.54	113.00	26,525.81	3545	0.58	2042.08	1021.04	1503.17	751.59	2 & 3	189.42	1 & 2	169.68
69	35.84	61.06	96.90	17,754.45	2396	0.62	1495.78	747.89	900.29	450.15	1 & 2	169.25	1 & 2	134.52
70	38.50	58.00	96.50	18,102.89	2218	0.59	1317.70	658.85	900.23	450.12	1 & 2	158.87	1 & 2	134.51
71	38.86	68.03	106.89	25,223.00	3022	0.63	1899.20	949.60	1122.44	561.22	2 & 3	187.99	1 & 2	147.48
72	38.22	68.67	106.89	25,279.34	3238	0.63	2054.59	1027.30	1183.44	591.72	2 & 3	189.55	1 & 2	151.03
73	36.52	53.98	90.50	14,337.24	2280	0.59	1348.98	674.49	930.78	465.39	1 & 2	160.69	1 & 2	136.30
74	36.00	59.19	95.19	17,719.88	2065	0.62	1270.82	635.41	794.10	397.05	1 & 2	156.13	1 & 2	128.32
75	32.38	54.22	86.60	13.994.72	1706	0.62	1054.47	527.24	651.49	325.75	1 & 2	143.51	1 & 2	120.00
76	40.45	60.52	100.97	17,263.36	2701	0.56	1516.56	758.28	1183.98	591.99	1 & 2	170.47	1 & 2	151.07
77	38.15	66.26	104.41	19,542.89	2919	0.63	1832.98	916.49	1086.17	543.09	2 & 3	187.33	1 & 2	145.36
78	54.93	60.44	115.37	32,801.61	4058	0.52	2121.53	1060.77	1936.72	968.36	2 & 3	190.22	2 & 3	188.37
79	40.14	65.98	106.12	24,439.62	3366	0.62	2073.24	1036.62	1292.98	646.49	2 & 3	189.73	1 & 2	157.42
80	36.89	62.97	99.86	21,735.52	3125	0.62	1949.76	974.88	1174.05	587.03	2 & 3	188.50	1 & 2	150.49
81	54.39	60.11	114.50	35,108.34	3845	0.52	2013.79	1006.90	1831.28	915.64	2 & 3	189.14	2 & 3	187.31
82	54.86	59.67	114.53	36.077.94	4309	0.52	2240.98	1120.49	2068.49	1034.25	2 & 3	191.41	2 & 3	189.68
83	37.49	66.68	104.17	20,399.16	3002	0.61	1802.36	901.18	1199.82	599.91	2 & 3	187.02	1 & 2	151.99
84	39.97	61.21	101.18	17,522.18	2727	0.57	1544.29	772.15	1182.65	591.33	1 & 2	141.96	1 & 2	150.99
85	36.37	62.04	98.41	16,350.89	2609	0.59	1531.55	765.78	1077.34	538.67	1 & 2	142.33	1 & 2	144.84
86	38.94	63.81	102.75	25,026.20	3053	0.61	1877.31	938.66	1175.25	587.63	2 & 3	187.77	1 & 2	150.56
87	43.04	64.06	107.10	25,225.32	3203	0.59	1898.31	949.16	1304.95	652.48	2 & 3	187.98	1 & 2	158.12
88	54.55	60.08	114.63	30,832.40	3899	0.52	2038.81	1019.41	1860.58	930.29	2 & 3	189.39	2 & 3	187.61
89	41.02	66.38	107.40	29,264.01	3734	0.61	2310.25	1155.13	1463.54	731.77	2 & 3	192.10	1 & 2	167.37
90	49.06	68.34	117.40	36,840.96	4024	0.56	2239.28	1119.64	1784.73	892.37	2 & 3	191.39	1 & 2	186.11
91	40.56	63.37	103.93	18,908.52	2859	0.60	1724.27	862.14	1135.23	567.62	1 & 2	182.58	1 & 2	148.22
92	46.26	62.01	108.27	24,760.88	3393	0.57	1930.86	965.43	1462.58	731.29	2 & 3	188.31	1 & 2	167.32
93	36.90	65.90	102.80	24,887.39	2952	0.63	1871.00	935.50	1081.09	540.55	2 & 3	187.71	1 & 2	145.06
94	36.17	66.73	102.90	24,925.27	2937	0.64	1881.82	940.91	1054.82	527.41	2 & 3	187.82	1 & 2	143.53
95	38.25	67.05	105.30	22,871.69	3246	0.63	2040.15	1020.08	1205.61	602.81	2 & 3	189.40	1 & 2	152.33
96	35.52	67.08	102.60	24,488.65	2465	0.65	1594.53	797.27	870.70	435.35	1 & 2	175.01	1 & 2	132.79
97	49.47	60.73	110.20	25,194.39	3284	0.55	1801.05	900.53	1483.35	741.68	2 & 3	187.01	1 & 2	168.53
98	49.05	56.85	105.90	18,517.64	3124	0.53	1670.42	835.21	1453.58	726.79	1 & 2	179.44	1 & 2	166.79
99	47.95	60.69	108.64	29,457.27	3788	0.56	2104.24	1052.12	1684.09	842.05	2 & 3	190.04	1 & 2	180.24
100	47.40	62.80	110.20	25,208.86	3744	0.57	2121.49	1060.75	1622.73	811.37	2 & 3	190.21	1 & 2	176.66
101	56.25	67.25	123.50	36,943.89	4571	0.54	2480.22	1240.11	2090.89	1045.45	2 & 3	193.80	2 & 3	189.91
102	49.38	63.62	113.00	31,146.17	3582	0.54	1922.24	961.12	1659.69	829.85	2 & 3	188.22	1 & 2	178.82
103	50.16	64.14	114.30	29,263.53	3899	0.54	2091.77	1045.89	1807.01	903.51	2 & 3	189.92	2 & 3	187.07
104	40.46	66.94	107.40	25,037.49	3300	0.62	2033.06	1016.53	1266.79	633.40	2 & 3	189.33	1 & 2	155.90
105	43.64	69.26	112.90	27,692.67	3698	0.61	2248.51	1124.26	1449.33	724.67	2 & 3	191.49	1 & 2	166.54
106	38.60	67.40	106.00	25,350.40	3111	0.63	1957.17	978.59	1153.35	576.68	2 & 3	188.57	1 & 2	149.28
107	36.90	63.10	100.00	19,775.08	2660	0.62	1659.57	829.79	1000.41	500.21	1 & 2	178.81	1 & 2	140.36
108	36.70	61.70	98.40	14,551.95	2312	0.62	1430.29	715.15	881.55	440.78	1 & 2	165.43	1 & 2	133.42
109	36.73	60.37	97.10	16,268.05	2593	0.61	1590.55	795.28	1002.19	501.10	1 & 2	174.78	1 & 2	140.46
110	37.45	59.79	97.24	18,574.92	3219	0.61	1956.12	978.06	1262.60	631.30	2 & 3	188.56	1 & 2	155.65
111	42.81	56.05	98.86	18,496.32	2820	0.56	1588.45	794.23	1231.34	615.67	1 & 2	174.66	1 & 2	153.83
112	35.41	66.99	102.40	25,329.91	2821	0.61	1721.70	860.85	1099.29	549.65	1 & 2	182.43	1 & 2	146.13
113	37.93	65.72	103.65	20,926.71	3052	0.63	1913.05	956.53	1138.96	569.48	2 & 3	188.13	1 & 2	148.44
114	34.38	61.68	96.06	17.757.43	2085	0.63	1323.18	661.59	761.45	380.73	1 & 2	159.19	1 & 2	126.42
115	46.64	57.89	104.53	24,964.79	3411	0.55	1877.18	938.59	1534.15	767.08	2 & 3	187.77	1 & 2	171.49
116	42.76	66.47	109.23	23,496.06	3283	0.60	1979.28	989.64	1304.13	652.07	2 & 3	188.79	1 & 2	158.07
117	34.94	68.16	103.10	25,161.62	2997	0.65	1952.28	976.14	1044.64	522.32	2 & 3	188.52	1 & 2	142.94
118	36.65	63.75	100.40	23,021.05	3165	0.63	1988.89	994.45	1175.72	587.86	2 & 3	188.89	1 & 2	150.58
119	36.28	59.42	95.70	13,816.65	2218	0.62	1364.05	682.03	853.89	426.95	1 & 2	161.57	1 & 2	131.81
120	40.29	62.11	102.40	18.302.03	2801	0.57	1593.05	796.53	1207.70	603.85	1 & 2	174.93	1 & 2	152.45
121	31.49	71.91	103.40	25.383.49	3041	0.65	1975.48	987.74	1065.49	532.75	2 & 3	188.75	1 & 2	144.15
122	34.37	72.63	107.00	25,108.34	2991	0.67	2001.47	1000.74	989.27	494.64	2 & 3	189.01	1 & 2	139.71
123	37.46	66.04	103.50	18,250.23	2606	0.62	1604.37	802.19	1001.90	500.95	1 & 2	175.59	1 & 2	140.44
124	31.03	73.77	104.80	24,450.17	2998	0.66	1968.43	984.22	1030.04	515.02	2 & 3	188.68	1 & 2	142.09
125	43.29	64.80	108.09	24,984.93	3197	0.58	1850.56	925.28	1346.13	673.07	2 & 3	187.51	1 & 2	160.52
126	39.18	71.62	110.80	28,542.25	3265	0.64	2087.10	1043.55	1177.98	588.99	2 & 3	189.87	1 & 2	150.72
127	38.18	72.62	110.80	25,311.52	3441	0.65	2229.85	1114.93	1211.34	605.67	2 & 3	191.30	1 & 2	152.66
128	48.93	58.55	107.48	25,375.71	3868	0.54	2098.08	1049.04	1769.79	884.90	2 & 3	189.98	1 & 2	185.24
129	35.96	71.90	107.86	25,423.24	3845	0.66	2533.93	1266.97	1311.14	655.57	2 & 3	194.34	1 & 2	158.48
130	42.32	60.98	103.30	24,288.06	2713	0.59	1587.53	793.77	1125.00	562.50	1 & 2	174.61	1 & 2	147.63
131	33.03	70.97	104.00	18,895.73	2454	0.67	1643.64	821.82	810.00	405.00	1 & 2	177.88	1 & 2	129.25
132	38.38	62.02	100.40	20.454.38	2655	0.59	1577.49	788.75	1077.08	538.54	1 & 2	174.02	1 & 2	144.83
133	31.03	73.77	104.80	24,450.17	2998	0.66	1968.43	984.22	1030.04	515.02	2 & 3	188.68	1 & 2	142.09
134	39.70	68.60	108.30	25,952.40	3950	0.60	2382.38	1191.19	1567.40	783.70	2 & 3	192.82	1 & 2	173.43
135	44.30	67.98	112.28	26,551.10	3547	0.60	2128.36	1064.18	1418.90	709.45	2 & 3	190.28	1 & 2	164.77
136	37.46	66.04	103.50	18,250.23	2606	0.62	1604.37	802.19	1001.90	500.95	1 & 2	175.59	1 & 2	140.44
137	35.03	69.22	104.25	25.112.38	2937	0.66	1924.95	962.48	1011.69	505.85	2 & 3	188.25	1 & 2	141.02
138	38.40	64.00	102.40	17.387.42	2330	0.62	1434.77	717.39	895.22	447.61	1 & 2	165.69	1 & 2	134.22
139	44.78	52.07	96.85	17,741.88	2655	0.54	1422.97	711.49	1231.60	615.80	1 & 2	165.01	1 & 2	153.84
140	34.72	64.47	99.19	18,386.15	2523	0.64	1614.19	807.10	909.00	454.50	1 & 2	176.16	1 & 2	135.03
141	46.47	55.13	101.60	18,417.32	3170	0.54	1712.25	856.13	1457.39	728.70	1 & 2	181.88	1 & 2	167.01
142	43.53	60.77	104.30	25.287.68	3690	0.58	2133.51	1066.76	1556.61	778.31	2 & 3	190.34	1 & 2	172.80
143	35.94	62.50	98.44	19,111.69	2880	0.60	1714.58	857.29	1165.43	582.72	1 & 2	182.02	1 & 2	149.98
144	35.86	61.64	97.50	16.424.43	2615	0.59	1539.99	770.00	1075.06	537.53	1 & 2	171.83	1 & 2	144.71
145	38.65	63.60	102.25	22,692.05	2941	0.62	1810.46	905.23	1130.04	565.02	2 & 3	187.10	1 & 2	147.92
146	43.04	64.06	107.10	25,225.32	3203	0.59	1898.31	949.16	1304.95	652.48	2 & 3	187.98	1 & 2	158.12
147	36.78	61.62	98.40	18,217.80	2446	0.62	1518.04	759.02	927.87	463.94	1 & 2	170.55	1 & 2	136.13
148	32.17	67.23	99.40	17,222.84	2720	0.67	1810.15	905.08	910.11	455.06	2 & 3	187.10	1 & 2	135.09
149	38.49	57.26	95.75	15,669.20	2203	0.58	1274.66	637.33	928.21	464.11	2 & 3	156.36	1 & 2	136.15
150	38.27	64.13	102.40	25,057.70	2567	0.62	1585.41	792.71	981.45	490.73	2 & 3	174.48	1 & 2	139.25
151	40.72	61.76	102.48	20,216.17	2984	0.57	1691.12	845.56	1293.12	646.56	2 & 3	180.65	1 & 2	157.43
152	38.20	68.10	106.30	19,229.26	2890	0.60	1734.29	867.15	1156.10	578.05	2 & 3	183.17	1 & 2	149.44
153	37.57	55.68	93.25	14,044.94	2035	0.59	1195.81	597.91	839.36	419.68	1 & 2	151.76	1 & 2	130.96
154	37.13	61.59	98.72	15,208.96	2491	0.58	1444.67	722.34	1046.76	523.38	1 & 2	166.27	1 & 2	143.06
155	55.59	39.21	94.80	12,708.47	2035	0.42	856.27	428.14	1178.89	589.45	0 & 1	131.95	1 & 2	150.77
156	37.98	56.52	94.50	14,380.58	2206	0.59	1308.61	654.31	897.74	448.87	1 & 2	158.34	1 & 2	134.37
157	35.36	57.14	92.50	14,343.55	2137	0.61	1306.88	653.44	830.10	415.05	1 & 2	158.23	1 & 2	130.42
158	35.89	63.01	98.90	20,079.93	2983	0.63	1875.81	937.91	1107.20	553.60	2 & 3	187.76	1 & 2	146.59
159	34.13	64.77	98.90	17,771.88	2749	0.61	1677.03	838.52	1072.14	536.07	1 & 2	179.83	1 & 2	144.54
160	35.50	61.80	97.30	18.209.88	2312	0.63	1455.47	727.74	859.07	429.54	1 & 2	166.90	1 & 2	132.11
161	32.05	62.45	94.50	14,147.56	1975	0.65	1287.46	643.73	687.04	343.52	1 & 2	157.10	1 & 2	122.08
162	48.70	60.30	109.00	27,806.95	3216	0.52	1664.61	832.31	1551.01	775.51	1 & 2	179.10	1 & 2	172.48
163	48.60	60.20	108.80	28,750.73	3794	0.55	2088.19	1044.10	1706.26	853.13	2 & 3	189.88	1 & 2	181.53
MAXIMUM VALUE	58.65	73.94	123.50	36951.65	4571.11	0.68	2679.95	1339.98	2090.89	1045.45		195.80		189.91
MINIMUM VALUE	31.03	39.21	86.60	12,708.47	1,705.96	0.42	856.27	428.14	651.49	325.75		131.95		120.00
AVERAGE VALUE	41.22	63.97	105.19	23749.05	3126.47	0.60	1850.23	925.12	1274.43	637.21		181.74		155.77
STANDARD DEVIATION	6.34	5.45	6.70	5870.36	592.10	0.05	329.39	164.70	323.12	161.56		12.22		17.66

#	HVE UG deg/g	calculated UG deg/g	percent difference	front SS tire modified UG deg/g	rear SS tire modified UG deg/g	%-change front SS tire modified UG deg/g	%-channge rear SS tire modified UG deg/g	unmodified t=0+ v-dot/delta g-units	front tire modified t=0+ v-dot/delta ft/sec^2	unmodified t=0+ r-dot/delta rad/sec^2	front tire modified t=0+ r-dot/delta rad/sec^2
1	0.56	0.49	-6.60	0.94	0.61	90.34	24.11	4.186	3.834	0.706	0.099
2	0.49	0.49	0.05	1.25	-0.05	154.99	-110.32	5.274	4.368	0.987	0.110
3	0.00	0.00	0.00	0.42	-0.42	-18619554.90	18619739.57	4.303	3.873	0.998	0.142
4	0.00	0.00	-0.33	-0.11	0.11	3392.62	-3335.88	3.502	3.589	0.677	0.137
5	-0.02	-0.02	-0.12	0.40	-0.48	-1969.01	2156.37	4.178	3.760	0.980	0.140
6	0.13	0.13	-0.03	0.81	-0.47	525.88	-460.32	4.052	3.476	0.847	0.102
7	2.64	1.87	-76.71	1.13	2.32	-39.64	23.74	3.182	3.606	0.376	0.082
8	1.48	0.92	-55.75	1.53	0.56	66.27	-39.64	4.125	3.645	0.723	0.093
9	2.81	2.43	-37.64	1.28	3.08	-47.27	26.63	2.475	2.924	0.382	0.088
10	1.33	1.15	-18.19	0.21	1.85	-81.95	60.96	2.832	3.305	0.487	0.112
11	1.78	1.43	-35.36	0.80	1.81	-43.78	26.77	3.481	3.909	0.578	0.132
12	0.18	0.84	66.03	1.88	0.30	123.53	-64.22	5.021	3.997	0.770	0.075
13	0.06	0.06	-0.08	0.75	-0.38	1158.49	-735.06	4.533	3.848	1.050	0.124
14	1.00	0.88	-11.74	0.94	0.86	6.54	-2.14	2.910	2.883	0.557	0.091
15	0.84	0.84	0.17	1.84	0.31	118.52	-63.29	5.076	4.064	0.809	0.080
16	1.69	1.02	-66.93	1.14	1.03	11.82	0.97	4.707	4.582	0.523	0.088
17	0.55	0.30	-24.82	0.14	0.63	-54.98	107.27	3.521	3.637	0.789	0.145
18	0.97	0.58	-39.38	0.67	0.52	16.95	-9.59	3.234	3.176	0.522	0.085
19	2.77	2.24	-52.66	1.33	2.74	-40.90	22.22	3.137	3.633	0.399	0.090
20	2.64	2.04	-59.63	1.35	2.49	-34.16	21.76	3.264	3.658	0.386	0.082
21	0.84	0.60	-24.15	0.01	1.24	-99.02	107.83	2.519	2.758	0.454	0.091
22	0.20	0.13	-7.21	0.56	-0.09	340.62	-167.98	4.944	4.430	0.903	0.126
23	2.43	1.85	-58.15	1.19	2.19	-35.60	18.68	3.560	4.009	0.377	0.084
24	0.33	0.28	-4.73	0.88	-0.26	212.08	-191.33	5.022	4.284	1.250	0.152
25	1.14	0.96	-17.54	1.08	0.71	12.34	-25.95	3.862	3.767	0.707	0.115
26	0.62	0.54	-7.82	0.59	0.52	8.36	-4.09	2.939	2.916	0.676	0.112
27	0.34	0.23	-11.15	0.96	-0.36	322.14	-256.44	4.671	3.894	0.741	0.084
28	2.50	2.09	-41.08	1.21	2.66	-41.99	27.51	2.976	3.406	0.443	0.097
29	0.84	0.22	-61.82	0.87	0.10	291.10	-52.73	4.824	4.173	0.848	0.105
30	0.83	0.74	-9.28	-0.19	1.49	-126.16	101.52	2.780	3.255	0.512	0.120
31	1.03	0.66	-36.90	0.12	1.21	-81.19	83.12	3.692	4.132	0.620	0.158
32	0.39	0.38	-1.29	0.08	0.85	-77.56	126.54	3.584	3.798	0.635	0.127
33	0.33	0.16	-16.78	0.83	-0.09	412.09	-154.77	5.042	4.296	0.908	0.108
34	0.05	0.02	-3.37	0.53	-0.43	3142.13	-2716.22	3.768	3.373	0.843	0.113
35	0.21	0.21	-0.22	1.02	-0.02	390.58	-108.02	5.255	4.346	0.880	0.097
36	0.80	0.67	-13.35	1.09	1.10	63.72	65.08	3.789	3.522	0.640	0.091
37	0.74	0.52	-22.44	0.66	0.84	27.46	62.95	3.889	3.785	0.702	0.113
38	1.58	1.19	-38.72	0.35	1.76	-70.34	47.58	3.131	3.638	0.460	0.112
39	1.14	0.56	-57.82	0.88	0.74	57.14	32.28	4.300	4.031	0.713	0.106
40	1.27	0.94	-32.68	-0.03	1.85	-103.05	96.47	3.080	3.651	0.476	0.121
41	0.21	0.21	0.31	1.09	-0.04	413.08	-120.28	5.410	4.395	0.843	0.088
42	0.64	0.15	-49.10	0.42	0.11	181.56	-23.06	4.291	4.037	0.832	0.126
43	0.42	0.24	-17.66	0.41	0.42	68.82	71.80	3.512	3.402	0.532	0.084
44	2.46	1.99	-46.51	0.16	3.29	-91.77	64.69	2.893	3.906	0.363	0.125
45	1.21	1.13	-8.23	0.51	1.55	-54.52	37.25	3.374	3.786	0.454	0.105
46	0.27	0.48	21.35	1.27	-0.11	163.59	-122.65	5.994	4.804	1.093	0.112
47	0.41	0.24	-17.35	1.02	0.06	332.81	-73.02	5.365	4.459	0.614	0.068
48	1.82	1.16	-65.53	1.35	1.13	16.17	-3.07	5.104	4.887	0.680	0.113
49	0.27	0.18	-9.02	0.76	-0.01	320.62	-106.91	5.110	4.441	1.030	0.130
50	0.80	0.67	-13.35	1.09	1.10	63.72	65.08	3.789	3.522	0.640	0.091
51	0.31	0.09	-22.03	0.90	-0.34	907.80	-475.60	4.697	3.882	0.872	0.096
52	0.79	0.59	-20.09	0.69	0.54	16.29	-9.00	3.253	3.195	0.675	0.110
53	2.03	1.65	-38.15	1.00	2.01	-39.08	21.93	3.719	4.213	0.581	0.143
54	0.21	0.21	-0.04	0.65	-0.16	212.23	-177.86	5.198	4.593	1.030	0.151
55	0.37	0.20	-16.85	0.84	0.12	315.45	-40.91	4.466	3.900	0.808	0.101
56	0.69	0.39	-29.91	0.83	-0.02	113.32	-104.39	5.047	4.485	1.075	0.154
57	1.30	0.85	-44.75	1.05	0.78	23.06	-8.69	4.730	4.522	0.594	0.096
58	0.22	0.36	14.12	0.58	0.46	60.87	28.52	4.027	3.849	0.749	0.117
59	0.62	0.22	-39.69	0.77	0.14	243.83	-37.38	4.820	4.258	0.798	0.104
60	0.43	0.24	-19.16	-0.18	0.73	-175.90	206.79	2.652	2.841	0.495	0.096
61	0.14	0.24	10.30	-0.91	1.32	-475.04	442.34	2.447	2.951	0.519	0.127
62	0.86	-1.00	-185.64	-1.40	0.28	40.25	-127.61	3.282	3.548	0.538	0.114
63	0.99	0.82	-16.59	-1.03	2.45	-225.03	197.65	2.499	3.374	0.542	0.184
64	2.49	2.03	-46.36	1.10	2.55	-45.96	25.90	3.106	3.612	0.411	0.093
65	2.26	1.77	-49.25	0.91	2.37	-48.52	34.29	3.019	3.462	0.445	0.098
66	0.79	0.73	-5.82	1.61	0.24	119.70	-67.72	4.754	3.919	0.799	0.086
67	1.57	1.25	-31.97	0.27	2.14	-78.17	71.47	3.172	3.750	0.489	0.120
68	1.16	1.16	-0.36	1.24	0.98	7.61	-15.48	3.559	3.500	0.701	0.115
69	2.06	1.88	-18.12	-0.08	3.32	-104.25	76.94	2.670	3.610	0.401	0.130
70	1.65	1.23	-42.14	0.54	1.66	-55.68	35.33	3.569	4.091	0.523	0.137
71	0.89	0.60	-28.57	0.45	1.12	-24.71	85.52	3.789	3.898	0.548	0.099
72	0.97	0.58	-39.37	0.71	0.93	22.57	61.61	3.965	3.867	0.603	0.097
73	0.91	0.77	-14.01	0.24	1.32	-69.02	71.36	3.692	4.116	0.666	0.164
74	2.08	1.70	-37.96	-0.09	3.03	-105.20	78.13	2.867	3.868	0.374	0.131
75	2.25	1.66	-58.88	0.06	2.82	-96.29	69.52	3.201	4.309	0.392	0.149
76	0.82	0.78	-3.87	0.11	1.31	-86.52	67.82	3.197	3.631	0.628	0.151
77	0.96	0.61	-34.77	0.40	1.15	-35.18	87.12	3.810	3.971	0.674	0.126
78	0.03	0.03	0.04	0.73	-0.53	2312.84	-1844.84	4.365	3.692	0.921	0.108
79	0.59	0.48	-11.04	0.63	0.79	30.66	63.82	3.843	3.736	0.660	0.106
80	0.45	0.21	-24.08	0.79	0.06	278.89	-72.53	5.297	4.591	0.872	0.109
81	0.16	0.15	-1.03	0.84	-0.44	461.43	-394.11	4.663	3.915	0.863	0.100
82	0.13	0.13	-0.17	0.94	-0.59	631.86	-560.34	4.415	3.638	0.898	0.098
83	0.37	0.17	-19.87	0.63	0.00	269.63	-98.05	5.133	4.572	0.880	0.118
84	0.66	0.43	-22.59	1.00	0.33	130.37	-24.92	4.418	3.885	0.853	0.147
85	1.19	0.71	-47.59	0.70	1.26	-2.29	76.58	3.492	3.503	0.629	0.143
86	2.00	1.66	-33.61	0.73	2.26	-56.05	35.93	2.985	3.473	0.440	0.100
87	0.47	0.39	-8.05	0.37	0.69	-4.15	77.26	3.755	3.767	0.637	0.110
88	0.16	0.14	-1.61	0.85	-0.46	489.47	-421.27	4.631	3.879	0.992	0.114
89	0.31	0.19	-11.63	0.95	0.00	390.84	-98.98	4.786	4.050	0.778	0.090
90	1.14	0.93	-21.12	1.05	0.87	12.97	-6.37	3.198	3.130	0.532	0.086
91	0.53	0.18	-34.73	0.61	0.06	235.43	-69.23	5.178	4.645	0.986	0.138
92	0.11	0.11	-0.49	0.67	-0.21	540.49	-298.42	4.834	4.204	0.952	0.120
93	2.36	1.93	-43.43	0.99	2.47	-48.54	28.08	3.082	3.588	0.419	0.095
94	2.49	2.03	-46.36	1.10	2.55	-45.96	25.90	3.106	3.612	0.411	0.093
95	0.82	0.51	-31.12	0.79	0.67	55.86	32.18	4.233	3.995	0.714	0.108
96	1.52	1.02	-49.95	0.61	1.59	-39.90	56.27	3.921	4.246	0.435	0.093
97	0.22	0.21	-1.07	-0.04	0.57	-118.34	173.63	3.339	3.503	0.669	0.126
98	0.14	0.14	-0.17	0.10	0.25	-24.13	83.38	3.647	3.673	0.937	0.171
99	-1.83	0.28	210.70	1.12	-0.38	305.06	-238.23	5.499	4.365	1.053	0.105
100	0.28	0.27	-1.22	0.33	0.58	23.90	116.02	3.349	3.311	0.732	0.121
101	0.05	0.05	0.17	1.00	-0.63	1828.35	-1315.95	4.475	3.603	0.967	0.098
102	0.67	0.54	-12.78	-0.38	1.42	-169.40	162.17	2.571	2.977	0.453	0.102
103	0.79	0.59	-20.09	0.69	0.54	16.29	-9.00	3.253	3.195	0.675	0.110
104	0.62	0.22	-39.69	0.77	0.14	243.83	-37.38	4.820	4.258	0.798	0.104
105	0.37	0.20	-16.85	0.84	0.12	315.45	-40.91	4.466	3.900	0.808	0.101
106	2.26	1.88	-37.83	0.97	2.47	-48.20	31.07	2.984	3.444	0.439	0.098
107	1.57	1.25	-31.97	0.27	2.14	-78.17	71.47	3.172	3.750	0.489	0.120
108	2.16	1.58	-57.71	0.83	2.00	-47.33	26.45	3.529	4.069	0.639	0.162
109	0.85	0.43	-42.06	0.55	0.59	28.60	36.38	4.597	4.469	0.836	0.145
110	0.27	0.18	-9.02	0.76	-0.01	320.62	-106.91	5.110	4.441	1.030	0.130
111	0.79	0.79	-0.10	0.17	1.27	-78.40	60.63	3.203	3.596	0.649	0.149
112	1.64	1.38	-25.75	0.72	1.81	-48.28	30.62	3.321	3.743	0.407	0.090
113	0.95	0.52	-43.12	0.69	0.71	33.15	37.53	4.269	4.120	0.733	0.117
114	2.46	1.99	-46.51	0.16	3.29	-91.77	64.69	2.893	3.906	0.363	0.125
115	-0.09	0.26	34.56	0.98	-0.37	283.14	-246.42	5.693	4.619	1.127	0.120
116	1.41	1.45	4.30	1.59	1.17	9.47	-19.58	3.914	3.809	0.726	0.117
117	1.35	0.65	-69.76	0.80	0.95	23.38	45.64	4.314	4.182	0.557	0.089
118	2.25	1.88	-37.21	0.98	2.48	-47.72	31.85	2.954	3.399	0.462	0.103
119	1.98	1.72	-26.37	-0.15	3.11	-108.51	81.32	2.759	3.725	0.499	0.169
120	0.71	0.45	-26.15	0.63	0.34	40.18	-25.16	4.385	4.204	0.840	0.142
121	2.37	1.96	-41.44	1.26	2.42	-35.54	23.58	3.224	3.611	0.378	0.080
122	2.38	2.25	-12.99	2.39	1.91	6.29	-15.31	4.307	4.188	0.548	0.088
123	1.78	1.43	-35.36	0.80	1.81	-43.78	26.77	3.481	3.910	0.578	0.132
124	2.64	2.04	-59.63	1.35	2.49	-34.16	21.76	3.264	3.658	0.386	0.082
125	1.33	1.15	-18.19	0.21	1.85	-81.95	60.96	2.832	3.305	0.487	0.112
126	2.81	2.47	-34.46	1.35	3.06	-45.14	24.03	2.770	3.257	0.385	0.088
127	1.10	0.68	-41.87	0.90	1.08	31.66	58.10	3.879	3.730	0.625	0.097
128	0.06	0.06	-0.08	0.75	-0.38	1158.49	-735.06	4.533	3.848	1.050	0.124
129	0.80	0.67	-13.35	1.09	1.10	63.72	65.08	3.789	3.522	0.640	0.091
130	1.58	1.19	-38.72	0.35	1.76	-70.34	47.58	3.131	3.638	0.460	0.112
131	1.82	1.16	-65.53	1.35	1.13	16.17	-3.07	5.104	4.887	0.680	0.113
132	1.27	0.94	-32.68	-0.03	1.85	-103.05	96.47	3.080	3.651	0.476	0.121
133	2.64	2.04	-59.63	1.35	2.49	-34.16	21.76	3.264	3.658	0.386	0.082
134	0.67	0.43	-24.45	0.77	0.69	81.28	61.12	3.571	3.357	0.670	0.099
135	0.21	0.18	-3.03	0.80	0.01	345.23	-93.85	4.674	4.065	0.859	0.107
136	1.78	1.43	-35.36	0.80	1.81	-43.78	26.77	3.481	3.910	0.578	0.132
137	2.77	2.24	-52.66	1.33	2.74	-40.90	22.22	3.137	3.633	0.399	0.090
138	1.75	1.43	-32.36	0.79	1.82	-44.97	27.56	3.620	4.100	0.578	0.142
139	0.29	0.29	0.20	-0.23	0.83	-180.08	184.73	3.277	3.640	0.682	0.163
140	2.07	1.76	-30.62	1.05	2.16	-40.62	22.67	3.516	4.006	0.520	0.122
141	0.51	0.51	-0.11	-0.16	1.08	-130.49	111.75	2.948	3.322	0.732	0.162
142	0.11	0.11	0.49	0.83	-0.23	619.45	-300.29	4.825	4.073	0.952	0.111
143	0.74	0.45	-28.85	0.17	0.95	-61.56	110.16	3.660	3.865	0.616	0.121
144	0.68	0.42	-26.02	0.88	0.10	109.48	-76.11	5.546	4.889	0.983	0.141
145	2.05	1.66	-39.07	0.71	2.23	-57.41	34.38	3.050	3.574	0.474	0.110
146	0.47	0.39	-8.05	0.37	0.69	-4.15	77.26	3.755	3.767	0.637	0.110
147	1.95	1.83	-12.25	-0.15	3.30	-108.03	80.69	2.635	3.563	0.404	0.130
148	1.68	1.12	-56.12	1.34	1.06	19.64	-4.96	4.898	4.664	0.773	0.120
149	1.03	0.66	-36.90	0.12	1.21	-81.19	83.12	3.692	4.132	0.620	0.158
150	1.26	0.60	-66.27	0.27	1.18	-54.33	97.46	3.859	4.118	0.470	0.098
151	0.23	0.11	-11.77	0.53	-0.11	371.24	-199.16	4.875	4.387	0.910	0.130
152	1.15	0.65	-49.68	0.86	0.55	31.01	-15.79	4.484	3.782	0.800	0.128
153	1.83	1.34	-49.43	-0.42	2.70	-131.30	102.39	2.815	3.808	0.476	0.172
154	1.26	1.00	-26.30	0.35	1.46	-64.75	46.73	3.395	3.846	0.641	0.157
155	-1.14	-1.01	12.91	-1.46	-0.36	44.50	-64.53	3.341	3.758	0.924	0.282
156	1.00	0.78	-21.51	0.25	1.33	-68.07	69.95	3.745	4.183	0.678	0.170
157	1.31	0.95	-36.20	0.41	1.50	-56.38	57.71	3.863	4.316	0.632	0.159
158	0.64	0.23	-41.43	0.75	0.12	231.90	-47.74	5.357	4.705	0.887	0.115
159	1.08	0.54	-54.23	0.25	1.08	-54.16	100.42	3.767	3.990	0.618	0.124
160	2.20	1.94	-25.96	0.01	3.34	-99.47	72.22	2.731	3.690	0.382	0.126
161	2.83	2.23	-59.75	0.43	3.43	-80.73	53.76	3.016	4.070	0.419	0.146
162	0.44	0.22	-21.63	-0.42	0.83	-289.09	270.22	2.868	3.228	0.502	0.113
163	0.38	0.36	-1.65	0.99	-0.09	171.11	-124.81	4.400	3.811	0.876	0.109
maximum	2.83	2.47	210.70	2.39	3.43			5.99	4.89	1.25	0.28
minimum	-1.83	-1.01	-185.64	-1.46	-0.63			2.45	2.76	0.36	0.07
average	1.05	0.81	-23.97	0.65	1.04	-114112.31	114177.11	3.86	3.85	0.67	0.12
std. dev.	0.85	0.69	31.64	0.56	1.06			0.84	0.44	0.20	0.03

% > 20%

load 1 cornering stiffness load lbf | load 1 cornering stiffness lbf/deg | load 2 cornering stiffness load lbf | load 2 cornering stiffness lbf/deg | front tire cornering stiffness interpolated value lbf/deg | rear tire cornering stiffness interpolated value lbf/deg | a inches | b inches | wheelbase inches | total Izz lbf-sec^2/in | OAL weight lbf | front/rear weight dist. %/100 | front tires static weight lbf | individual front tire static weight lbf | rear tires static weight lbf | individual rear tire static weight lbf
HVE UG deg/g | calculated UG deg/g | percent difference | front SS tire modified UG deg/g | rear SS tire modified UG deg/g | unmodified t=0+ v-dot ft/sec^2 | front tire modified t=0+ v-dot ft/sec^2 | unmodified t=0+ r-dot rad/sec^2 | front tire modified t=0+ r-dot rad/sec^2

	maximum	minimum	average
actual front tire cornering stiffnesses, lbf/deg	330.63	84.8	189.6
actual rear tire cornering stiffnesses, lbf/deg	282.97	71.5	151.2