Application	Source	Lang	LOC	Platform	Compiler	# of Func	% of stack memory locations promoted	% of direct stack access promoted
bwaves	Spec2006	F	918	Linux	gcc-O0	8	78.7	86.9
					gcc-O3	8	86.9	93.5
lbm	Spec2006	C	1155	Linux	gcc-O0	20	77.3	85.6
					gcc-O3	15	72.4	71.7
equake	OMP2001	C	1607	Linux	gcc-O0	23	62.1	87.5
					gcc-O3	10	34.5	47.5
art	OMP2001	C	1914	Linux	gcc-O0	26	87.2	95.9
					gcc-O3	17	93.7	76.2
wupwise	OMP2001	F	2468	Linux	gcc-O0	28	75.2	97.2
					gcc-O3	28	66.3	82.0
mcf	Spec2006	C	2685	Linux	gcc-O0	23	99	98.5
					gcc-O3	21	99.1	93.9
namd	Spec2006	C++	3188	Linux	gcc-O0	138	40.7	42.8
					gcc-O3	89	33.9	48.3
leslie3d	Spec2006	F	3807	Linux	gcc-O0	20	79.5	99.6
					gcc-O3	20	84.5	94.5
libquant	Spec2006	C	4357	Linux	gcc-O0	94	90.5	90.5
					gcc-O3	66	80.4	75.8
astar	Spec2006	C++	5842	Linux	gcc-O0	129	72.1	86.2
					gcc-O3	60	77.1	92.3
bzip2	Spec2006	C	8293	Linux	gcc-O0	106	77	82.5
					gcc-O3	51	68.9	88.5
milc	Spec2006	C	9784	Linux	gcc-O0	192	64.7	81.9
					gcc-O3	164	73.3	76.2
sjeng	Spec2006	C	13847	Linux	gcc-O0	130	58.2	83.4
					gcc-O3	103	36.2	38.7
sphinx	Spec2006	C	13683	Linux	gcc-O0	268	72.8	78.5
					gcc-O3	199	65.1	67.5
zeusmp	Spec2006	F	19068	Linux	gcc-O0	55	97.2	97.2
					gcc-O3	55	57.3	82.2
omnetpp	Spec2006	C++	20393	Linux	gcc-O0	2691	64.61	65.8
					gcc-O3	2052	84.6	60.1
hmmer	Spec2006	C	35992	Linux	gcc-O0	331	84.3	84.3
					gcc-O3	295	79.6	77.5
solpex	Spec2006	C++	28592	Linux	gcc-O0	1548	85.7	88
					gcc-O3	1249	72.3	75.3
h264	Spec2006	C	51578	Linux	gcc-O0	885	65.9	79
					gcc-O3	775	61.1	70
cactus	Spec2006	C/F	60452	Linux	gcc-O0	752	70.9	75.5
					gcc-O3	625	70.9	69.8
gromacs	Spec2006	C/F	65182	Linux	gcc-O0	1126	76.4	75
					gcc-O3	598	87.6	74.5
dealll	Spec2006	C++	96382	Linux	gcc-O0	1482	72.3	74.4
					gcc-O3	1283	65.1	68.2
calculix	Spec2006	C/F	105683	Linux	gcc-O0	887	61.3	66.5
					gcc-O3	766	56.6	67.9
tonto	Spec2006	F	108330	Linux	gcc-O0	1971	47.6	54.54
					gcc-O3	1861	53.5	57.8
povray	Spec2006	C++	108339	Linux	gcc-O0	2063	71.4	70.8
					gcc-O3	1601	60.1	66.2
gobmk	Spec2006	C	157883	Linux	gcc-O0	2594	78.6	81.4
					gcc-O3	2391	62.16	65.7
perlbench	Spec2006	C	126367	Linux	gcc-O0	1686	76.4	74.1
					gcc-O3	1459	33.1	30.7
gcc	Spec2006	C	236269	Linux	gcc-O0	5206	66.1	72.2
					gcc-O3	4897	63.1	66.2
lbm	Spec2006	C	1155	Windows	VS-O0	21	67.1	73.1
					VS-O2	19	95.5	66.1
equake	OMP2001	C	1607	Windows	VS-O0	26	53.5	80.5
					VS-O2	14	31.4	32.2
art	OMP2001	C	1914	Windows	VS-O0	26	78.6	85.5
					VS-O2	25	74.6	77.3
mcf	Spec2006	C	2685	Windows	VS-O0	24	93.9	90.9
					VS-O2	22	81.9	79.3
namd	Spec2006	C++	3188	Windows	VS-O0	128	37.5	56.1
					VS-O2	136	35.4	36.2
astar	Spec2006	C++	4377	Windows	VS-O0	133	80.1	81.1
					VS-O2	121	70.1	76.9
bzip2	Spec2006	C	5896	Windows	VS-O0	85	69.1	57.8
					VS-O2	67	70.9	65.4
milc	Spec2006	C	9784	Windows	VS-O0	188	76.39	66.1
					VS-O2	144	63.31	75.91
sjeng	Spec2006	C	13847	Windows	VS-O0	128	37.5	56.1
					VS-O2	107	59.5	48.3
sphinx	Spec2006	C	13683	Windows	VS-O0	264	53.5	80.5
					VS-O2	241	66.1	67.1
omnetpp	Spec2006	C++	20393	Windows	VS-O0	2281	63.1	67.2
					VS-O2	2061	59.1	60.3
hmmer	Spec2006	C	35992	Windows	VS-O0	267	76.9	79.94
					VS-O2	263	69.9	80.82
h264	Spec2006	C	51578	Windows	VS-O0	546	58.9	67.3
					VS-O2	476	54.71	51.02
perlbench	Spec2006	C	126367	Windows	VS-O0	1826	54.4	58.17
					VS-O2	1696	55.2	60.1
gobmk	Spec2006	C	157883	Windows	VS-O0	2589	63.3	43.5
					VS-O2	2382	57	29.1
gcc	Spec2006	C	236269	Windows	VS-O0	5109	62.1	57.1
					VS-O2	4872	64.5	67.1
apache server	Real World Program	C	232931	Linux	gcc-O0	2459	63.2	68.1
					gcc-O3	2046	75.1	79.2
TOTALS			2 Million			AVG	67.84867	71.733333