

Bug #	ID	Fixed	Type	Component	Description
1	<a href="#">83383</a>	FIXED	wrong code	tree-optimization	Wrong code with a bunch of type conversion and ternary operators
2	<a href="#">83382</a>	UNCONFIRMED	wrong code	sanitizer	UBSAN triggers false-positive warning [-Werror=uninitialized]
3	<a href="#">83252</a>	FIXED	wrong code	target	[8 Regression] Wrong code with "-march=skylake-avx512 -O3"
4	<a href="#">83221</a>	FIXED	ICE	tree-optimization	[8 Regression] qsort comparator not anti-commutative: -2147483648, -2147483648
5	<a href="#">82778</a>	FIXED	ICE	rtl-optimization	crash: insn does not satisfy its constraints
6	<a href="#">82576</a>	NEW	ICE	rtl-optimization	sbitmap_vector_alloc() not ready for 64 bits
7	<a href="#">82413</a>	FIXED	ICE	c	[8 Regression] -O0 crash (ICE in decompose, at tree.h:5179)
8	<a href="#">82381</a>	FIXED	ICE	tree-optimization	[8 Regression] internal compiler error: qsort checking failed
9	<a href="#">82353</a>	FIXED	wrong code	sanitizer	[8 Regression] runtime ubsan crash
10	<a href="#">82192</a>	FIXED	wrong code	rtl-optimization	[5/6/7/8 Regression] gcc produces incorrect code with -O2 and bit-field
11	<a href="#">81987</a>	FIXED	ICE	tree-optimization	[8 Regression] ICE in verify_ssa with -O3 -march=skylake-avx512
12	<a href="#">81814</a>	FIXED	wrong code	middle-end	[5/6/7 Regression] Incorrect behaviour at -O0 (conditional operator)
13	<a href="#">81705</a>	FIXED	wrong code	middle-end	[8 Regression] UBSAN: yet another false positive
14	<a href="#">81607</a>	FIXED	ICE	c++	[6 Regression] Conditional operator: "type mismatch in shift expression" error
15	<a href="#">81588</a>	FIXED	wrong code	tree-optimization	[7/8 Regression] Wrong code at -O2
16	<a href="#">81556</a>	FIXED	wrong code	tree-optimization	[7/8 Regression] Wrong code at -O2
17	<a href="#">81555</a>	FIXED	wrong code	tree-optimization	[5/6/7/8 Regression] Wrong code at -O1
18	<a href="#">81553</a>	FIXED	ICE	rtl-optimization	[7/8 Regression] ICE in immed_wide_int_const, at emit-rtl.c:607
19	<a href="#">81546</a>	FIXED	ICE	tree-optimization	[8 Regression] ICE at -O3 during GIMPLE pass dom
20	<a href="#">81503</a>	FIXED	wrong code	tree-optimization	[8 Regression] Wrong code at -O2
21	<a href="#">81488</a>	FIXED	wrong code	sanitizer	[8 Regression] gcc goes off the limits allocating memory in gimple-ssa-strength-reduction.c
22	<a href="#">81423</a>	FIXED	wrong code	rtl-optimization	[6/7/8 Regression] Wrong code at -O2
23	<a href="#">81403</a>	FIXED	wrong code	tree-optimization	[8 Regression] wrong code at -O3
24	<a href="#">81387</a>	UNCONFIRMED	wrong code	sanitizer	UBSAN consumes too much memory at -O2
25	<a href="#">81281</a>	FIXED	wrong code	sanitizer	[6/7/8 Regression] UBSAN: false positive, dropped promotion to long type.
26	<a href="#">81162</a>	FIXED	wrong code	tree-optimization	[8 Regression] UBSAN switch triggers incorrect optimization in SLSR
27	<a href="#">81148</a>	FIXED	wrong code	sanitizer	UBSAN: two more false positives
28	<a href="#">81097</a>	FIXED	wrong code	sanitizer	UBSAN: false positive for not existing negation operator and a bogus message
29	<a href="#">81088</a>	FIXED	wrong code	middle-end	UBSAN: false positive as a result of reassosiation
30	<a href="#">81065</a>	FIXED	wrong code	sanitizer	UBSAN: false positive as a result of distribution involving different types
31	<a href="#">80932</a>	FIXED	wrong code	sanitizer	UBSAN: false positive as a result of distribution: c1*(c2*v1-c3*v2)=>c1*c2*v1-c1*c3*v2

32	<a href="#">80875</a>	FIXED	ICE	sanitizer	[7 Regression] UBSAN: compile time crash in fold_binary_loc at fold-const.c:9817
33	<a href="#">80800</a>	FIXED	wrong code	sanitizer	UBSAN: yet another false positive
34	<a href="#">80620</a>	FIXED	wrong code	tree-optimization	[8 Regression] gcc produces wrong code with -O3
35	<a href="#">80597</a>	FIXED	ICE	ipa	[8 Regression] internal compiler error: in compute_inline_parameters, at ipa-inline-analysis.c:3126
36	<a href="#">80536</a>	FIXED	ICE	sanitizer	[6/7/8 Regression] UBSAN: compile time segfault
37	<a href="#">80403</a>	FIXED	ICE	sanitizer	UBSAN: compile time crash with "type mismatch in binary expression" message in / and % expr
38	<a href="#">80386</a>	FIXED	wrong code	sanitizer	UBSAN: false positive - constant folding and reassociation before instrumentation
39	<a href="#">80362</a>	FIXED	wrong code	middle-end	[5/6 Regression] gcc miscompiles arithmetic with signed char
40	<a href="#">80350</a>	FIXED	wrong code	sanitizer	UBSAN changes code semantics when -fno-sanitize-recover=undefined is used
41	<a href="#">80349</a>	FIXED	ICE	sanitizer	[6/7 Regression] UBSAN: compile time crash with "type mismatch in binary expression" message
42	<a href="#">80348</a>	FIXED	ICE	sanitizer	[6 Regression] UBSAN: compile time crash in ubsan_instrument_division
43	<a href="#">80341</a>	FIXED	wrong code	middle-end	[5/6 Regression] gcc miscompiles division of signed char
44	<a href="#">80297</a>	FIXED	ICE	c++	[6 Regression] Compiler time crash: type mismatch in binary expression
45	<a href="#">80072</a>	FIXED	ICE	tree-optimization	[7 Regression] ICE in gimple_build_assign_1 with -O3 -march=broadwell/skylake-avx512
46	<a href="#">80067</a>	FIXED	ICE	sanitizer	[6/7 Regression] ICE in fold_comparison with -fsanitize=undefined
47	<a href="#">80054</a>	FIXED	ICE	tree-optimization	[7 Regression] ICE in verify_ssa with -O3 -march=broadwell/skylake-avx512
48	<a href="#">79399</a>	FIXED	ICE	middle-end	GCC fails to compile big source at -O0
49	<a href="#">78726</a>	FIXED	wrong code	middle-end	[5/6 Regression] Incorrect unsigned arithmetic optimization
50	<a href="#">78720</a>	FIXED	wrong code	tree-optimization	[7 Regression] Illegal instruction in generated code
51	<a href="#">78438</a>	FIXED	wrong code	rtl-optimization	[7 Regression] incorrect comparison optimization
52	<a href="#">78436</a>	FIXED	wrong code	tree-optimization	[7 Regression] incorrect write to larger-than-type bitfield (signed char x:9)
53	<a href="#">78132</a>	FIXED	wrong code	rtl-optimization	[7 Regression] GCC produces invalid instruction (kmovd and kmovq) for KNL.
54	<a href="#">77544</a>	FIXED	ICE	tree-optimization	[6 Regression] segfault at -O0 - infinite loop in simplification
55	<a href="#">77476</a>	FIXED	wrong code	target	[7 Regression] [AVX-512] illegal kmovb instruction on KNL
56	<a href="#">73714</a>	FIXED	wrong code	tree-optimization	[Regression 7] Incorrect unsigned long long arithmetic optimization
57	<a href="#">72835</a>	FIXED	wrong code	tree-optimization	[7 Regression] Incorrect arithmetic optimization involving bitfield arguments
58	<a href="#">71657</a>	NEW	wrong code	target	Wrong code on trunk gcc (std::out_of_range), westmere
59	<a href="#">71655</a>	FIXED	ICE	tree-optimization	[7 Regression] GCC trunk ICE on westmere target
60	<a href="#">71488</a>	FIXED	wrong code	tree-optimization	[6 Regression] Wrong code for vector comparisons with ivybridge and westmere targets
61	<a href="#">71470</a>	FIXED	wrong code	target	Wrong code on trunk gcc with westmere target
62	<a href="#">71389</a>	FIXED	ICE	target	[7 Regression] ICE on trunk gcc on ivybridge target (df_refs_verify)
63	<a href="#">71281</a>	FIXED	ICE	target	[7 Regression] ICE on gcc trunk on knl, wsm, ivb and bdw targets (tree-ssa-reassoc)

64	<a href="#">71279</a>	FIXED	ICE	middle-end	[6/7 Regression] ICE on trunk gcc with knl target
65	<a href="#">71261</a>	FIXED	ICE	tree-optimization	[7 Regression] Trunk GCC hangs on knl and broadwell targets
66	<a href="#">71259</a>	FIXED	wrong code	tree-optimization	[6/7 Regression] GCC trunk emits wrong code
67	<a href="#">70941</a>	FIXED	wrong code	target	[5 Regression] Test miscompiled with -O2.
68	<a href="#">70902</a>	SUSPENDED	ICE	rtl-optimization	[7 Regression] GCC freezes while compiling for 'skylake-avx512' target
69	<a href="#">70728</a>	FIXED	wrong code	target	GCC trunk emits invalid assembly for knl target
70	<a href="#">70726</a>	FIXED	ICE	tree-optimization	[6/7 Regression] Internal compiler error (ICE) on valid code
71	<a href="#">70725</a>	FIXED	ICE	tree-optimization	Internal compiler error (ICE) on valid code
72	<a href="#">70542</a>	FIXED	wrong code	rtl-optimization	[6 Regression] Wrong code with -O3 -mavx2.
73	<a href="#">70450</a>	FIXED	wrong code	target	[6 Regression] Wrong code with -O0 and -O1.
74	<a href="#">70429</a>	FIXED	wrong code	rtl-optimization	Wrong code with -O1.
75	<a href="#">70354</a>	FIXED	wrong code	tree-optimization	[6 Regression] Wrong code with -O3 -march=broadwell and -march=skylake-avx512.
76	<a href="#">70333</a>	FIXED	wrong code	target	[5 Regression] Test miscompiled with -O0.
77	<a href="#">70252</a>	FIXED	ICE	tree-optimization	ICE in vect_get_vec_def_for_stmt_copy with -O3 -march=skylake-avx512.
78	<a href="#">70251</a>	FIXED	wrong code	tree-optimization	Wrong code with -O3 -march=skylake-avx512.
79	<a href="#">70222</a>	FIXED	wrong code	rtl-optimization	Test miscompiled with -O1
80	<a href="#">70153</a>	FIXED	ICE	c++	[6 Regression] ICE on valid C++ code
81	<a href="#">70026</a>	FIXED	ICE	tree-optimization	[6 Regression] ICE in expand_expr_real_2 with -O1 -ftree-vectorize
82	<a href="#">70021</a>	FIXED	wrong code	target	[6 Regression] Test miscompiled with -O3 option for -march=core-avx2.
83	<a href="#">69820</a>	FIXED	wrong code	tree-optimization	[6 Regression] Test miscompiled with -O3 option