pointer:0x7f3028f21010
SgSourceFile

root node

SgNode* p_parent : 0x252aa60
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f30290e0068
SgStringList p_originalCommandLineArgumentList : [pdfGenerator, -rose:OpenMP:ast_only, -c, parallelfor.c]
int p_verbose : 0
bool p_output_warnings : 0
bool p_C_only : 1
bool p_UPC_only : 0
bool p_UPCxx_only : 0
int p_upc_threads : 0
bool p_C89_only : 0
bool p_C89_gnu_only : 0
bool p_C99_only : 1
bool p_C99_gnu_only : 1
bool p_Cxx_only : 0
bool p_C11_only : 0
bool p_C11_gnu_only : 0
bool p_Cxx0x_only : 0
bool p_Cxx11_only : 0
bool p_Cxx11_gnu_only : 0
bool p_C14_only : 0
bool p_C14_gnu_only : 0
bool p_Cxx14_only : 0
bool p_Cxx14_gnu_only : 0
bool p_Fortran_only : 0
bool p_F77_only : 0
bool p_F90_only : 0
bool p_F95_only : 0
bool p_F2003_only : 0
bool p_F2008_only : 0
bool p_CoArrayFortran_only : 0
bool p_Java_only : 0
bool p_X10_only : 0
bool p_PHP_only : 0
bool p_Python_only : 0
bool p_Cuda_only : 0
bool p_OpenCL_only : 0
bool p_requires_C_preprocessor : 0
bool p_binary_only : 0
SgFile::outputFormatOption_enum p_inputFormat : 2
SgFile::outputFormatOption_enum p_outputFormat : 2
SgFile::outputFormatOption_enum p_backendCompileFormat : 2
bool p_fortran_implicit_none : 0
bool p_openmp : 1
bool p_openmp_parse_only : 0
bool p_openmp_ast_only : 1
bool p_openmp_lowering : 0
bool p_cray_pointer_support : 0
bool p_failsafe : 0
bool p_output_parser_actions : 0
bool p_exit_after_parser : 0
bool p_skip_syntax_check : 0
bool p_relax_syntax_check : 0
bool p_skip_translation_from_edg_ast_to_rose_ast : 0
bool p_skip_transformation : 0
bool p_skip_unparse : 0
bool p_skipfinalCompileStep : 0
bool p_unparse_includes : 0
bool p_unparse_line_directives : 0
bool p_unparse_function_calls_using_operator_syntax : 0

pointer:0x7f302905b120
SgGlobal
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 0:0
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f3028f21010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f30290e00c0
Sg_File_Info* p_endOfConstruct : 0x7f30290e0118
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgSymbolTable* p_symbol_table : 0x7f3029010140
SgTypeTable* p_type_table : 0x25654a8
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgDeclarationStatementPtrList p_declarations : <too long>: <too long>: [0x7f3028d76010, 0x7f3028870010, 0x7f30288703e0, 0x7f302887

pointer:0x7f302804ad90
SgFunctionDeclaration
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 5:1
IsTransformation:0
IsOutputInCodeGeneration:0
Declaration mangled name: main_0x7f302804ad90

Click here to go to the parent node

SgNode* p_parent : 0x7f302905b120
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6ed28
Sg_File_Info* p_endOfConstruct : 0x7f3027d6ecd0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0x259d080
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
unsigned int p_decl_attributes : 0
std::string p_linkage :
SgDeclarationModifier p_declarationModifier : <too long>: <too long>: SgDeclarationModifier(isUnknown() = false isDefault() = false isFrie
bool p_nameOnly : 0
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
SgDeclarationStatement* p_definingDeclaration : 0x7f302804ad90
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7f302804a9c0
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgName p_name : main
SgFunctionParameterList* p_parameterList : 0x7f30281ce990
SgFunctionModifier p_functionModifier : <too long>: <too long>: SgFunctionModifier(isUnknown() = false isDefault() = true isInline()
SgSpecialFunctionModifier p_specialFunctionModifier : <too long>: <too long>: SgSpecialFunctionModifier(isUnknown() = false isDefault()
SgTypePtrList p_exceptionSpecification : []
bool p_named_in_end_statement : 0
std::string p_asm_name :
SgExprListExp* p_decoratorList : 0
SgFunctionType* p_type : 0x7f3028a4fa40
SgFunctionDefinition* p_definition : 0x7f3027bf6010
bool p_oldStyleDefinition : 0
SgScopeStatement* p_scope : 0x7f302905b120
SgDeclarationStatement::template_specialization_enum p_specialization : 1
bool p_requiresNameQualificationOnReturnType : 0
std::string p_gnu_extension_section :
std::string p_gnu_extension_alias :
SgDeclarationStatement::gnu_extension_visability_attribute_enum p_gnu_extension_visability : 1
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0
int p_name_qualification_length_for_return_type : 0
bool p_type_elaboration_required_for_return_type : 0
bool p_global_qualification_required_for_return_type : 0
bool p_prototypeIsWithoutParameters : 0
int p_gnu_regparm_attribute : -1
SgFunctionType* p_type_syntax : 0
bool p_type_syntax_is_available : 0
bool p_using_C11_Noreturn_keyword : 0
bool p_is_constexpr : 0
bool p_using_new_function_return_type_syntax : 0
SgFunctionParameterScope* p_functionParameterScope : 0
bool p_marked_as_edg_normalization : 0

pointer:0x7f30281ce990
SgFunctionParameterList
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 5:1
IsTransformation:0
IsOutputInCodeGeneration:0
Declaration mangled name: L1R

Click here to go to the parent node

SgNode* p_parent : 0x7f302804ad90
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6f040
Sg_File_Info* p_endOfConstruct : 0x7f3027d6f098
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
unsigned int p_decl_attributes : 0
std::string p_linkage :
SgDeclarationModifier p_declarationModifier : <too long>: <too long>: SgDeclarationModifier(isUnknown() = false isDefault() = true isFrien
bool p_nameOnly : 0
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
SgDeclarationStatement* p_definingDeclaration : 0
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7f30281ce990
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgInitializedNamePtrList p_args : []

pointer:0x7f3027bf6010
SgFunctionDefinition
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 6:1
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f302804ad90
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6eee0
Sg_File_Info* p_endOfConstruct : 0x7f3027d6ef38
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgSymbolTable* p_symbol_table : 0x7f30290104d0
SgTypeTable* p_type_table : 0x2565520
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgBasicBlock* p_body : 0x7f3027c8b010
std::map<SgNode*,int> p_scope_number_list : []

Click here to go to the parent node

SgNode* p_parent : 0x7f3027bf6010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6ee30
Sg_File_Info* p_endOfConstruct : 0x7f3027d6ee88
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgSymbolTable* p_symbol_table : 0x7f30290103a0
SgTypeTable* p_type_table : 0x25654f8
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgStatementPtrList p_statements : [0x7f3027ab5010, 0x7f3027ab52a0, 0x7f3027ab5530, 0x283f920, 0x7f3027540010]
std::string p_asm_function_body :

pointer:0x7f3027ab5010
SgVariableDeclaration
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 7:3
IsTransformation:0
IsOutputInCodeGeneration:0
Declaration mangled name: _variable_declaration__variable_type_i_variable_name_main_0x7f302804ad90__scope____SgSS2____scop

Click here to go to the parent node

SgNode* p_parent : 0x7f3027c8b010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6f250
Sg_File_Info* p_endOfConstruct : 0x7f3027d6f2a8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
unsigned int p_decl_attributes : 0
std::string p_linkage :
SgDeclarationModifier p_declarationModifier : <too long>: <too long>: SgDeclarationModifier(isUnknown() = false isDefault() = false isFrie
bool p_nameOnly : 1
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
SgDeclarationStatement* p_definingDeclaration : 0
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7f3027ab5010
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgDeclarationStatement* p_baseTypeDefiningDeclaration : 0
SgInitializedNamePtrList p_variables : [0x7f3027db8dd8]
bool p_variableDeclarationContainsBaseTypeDefiningDeclaration : 0
SgDeclarationStatement::template_specialization_enum p_specialization : 1
bool p_requiresGlobalNameQualificationOnType : 0
std::string p_gnu_extension_section :
std::string p_gnu_extension_alias :
unsigned short p_gnu_extension_initialization_priority : 0
SgDeclarationStatement::gnu_extension_visability_attribute_enum p_gnu_extension_visability : 0
SgVariableDeclaration::gnu_extension_declaration_attributes_enum p_gnu_extension_declaration_attribute : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0
bool p_isAssociatedWithDeclarationList : 1
bool p_isFirstDeclarationOfDeclarationList : 1
bool p_is_thread_local : 0
bool p_is_constexpr : 0

pointer:0x7f3027db8dd8
SgInitializedName
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 7:3
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f3027ab5010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6f1f8
Sg_File_Info* p_endOfConstruct : 0x7f3027d6f1a0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : i
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7f3028676010
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7f3027997010
SgStorageModifier* p_storageModifier : 0x2fb8578
SgScopeStatement* p_scope : 0x7f3027c8b010
SgInitializedName::preinitialization_enum p_preinitialization : 0
bool p_isCoArray : 0
SgInitializedName::asm_register_name_enum p_register_name_code : 0
SgInitializedName::excess_specifier_enum p_excess_specifier : 0
std::string p_register_name_string :
bool p_requiresGlobalNameQualificationOnType : 0
bool p_shapeDeferred : 0
bool p_initializationDeferred : 0
SgBitVector p_gnu_attribute_modifierVector : [F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F]
unsigned long int p_gnu_attribute_initialization_priority : 0
std::string p_gnu_attribute_named_weak_reference :
std::string p_gnu_attribute_named_alias :
std::string p_gnu_attribute_cleanup_function :
std::string p_gnu_attribute_section_name :
int p_gnu_attribute_alignment : -1
SgDeclarationModifier::gnu_declaration_visability_enum p_gnu_attribute_visability : 2
bool p_protected_declaration : 0
int p_name_qualification_length_for_type : 0
bool p_type_elaboration_required_for_type : 0
bool p_global_qualification_required_for_type : 0
bool p_hasArrayTypeWithEmptyBracketSyntax : 0
bool p_using_C11_Alignas_keyword : 0
SgNode* p_constant_or_type_argument_for_Alignas_keyword : 0
bool p_using_auto_keyword : 0
bool p_using_device_keyword : 0
bool p_is_braced_initialized : 0

Click here to go to the parent node

SgNode* p_parent : 0x7f3027c8b010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6f568
Sg_File_Info* p_endOfConstruct : 0x7f3027d6f5c0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
unsigned int p_decl_attributes : 0
std::string p_linkage :
SgDeclarationModifier p_declarationModifier : <too long>: <too long>: SgDeclarationModifier(isUnknown() = false isDefault() = false isFrie
bool p_nameOnly : 1
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
SgDeclarationStatement* p_definingDeclaration : 0
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7f3027ab52a0
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgDeclarationStatement* p_baseTypeDefiningDeclaration : 0
SgInitializedNamePtrList p_variables : [0x7f3027db8f20]
bool p_variableDeclarationContainsBaseTypeDefiningDeclaration : 0
SgDeclarationStatement::template_specialization_enum p_specialization : 1
bool p_requiresGlobalNameQualificationOnType : 0
std::string p_gnu_extension_section :
std::string p_gnu_extension_alias :
unsigned short p_gnu_extension_initialization_priority : 0
SgDeclarationStatement::gnu_extension_visability_attribute_enum p_gnu_extension_visability : 0
SgVariableDeclaration::gnu_extension_declaration_attributes_enum p_gnu_extension_declaration_attribute : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0
bool p_isAssociatedWithDeclarationList : 1
bool p_isFirstDeclarationOfDeclarationList : 1
bool p_is_thread_local : 0
bool p_is_constexpr : 0

pointer:0x7f3027db8f20
SgInitializedName
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 7:3
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f3027ab52a0
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6f510
Sg_File_Info* p_endOfConstruct : 0x7f3027d6f4b8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : a
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7f302791d010
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7f3027997258
SgStorageModifier* p_storageModifier : 0x2fb85a0
SgScopeStatement* p_scope : 0x7f3027c8b010
SgInitializedName::preinitialization_enum p_preinitialization : 0
bool p_isCoArray : 0
SgInitializedName::asm_register_name_enum p_register_name_code : 0
SgInitializedName::excess_specifier_enum p_excess_specifier : 0
std::string p_register_name_string :
bool p_requiresGlobalNameQualificationOnType : 0
bool p_shapeDeferred : 0
bool p_initializationDeferred : 0
SgBitVector p_gnu_attribute_modifierVector : [F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F]
unsigned long int p_gnu_attribute_initialization_priority : 0
std::string p_gnu_attribute_named_weak_reference :
std::string p_gnu_attribute_named_alias :
std::string p_gnu_attribute_cleanup_function :
std::string p_gnu_attribute_section_name :
int p_gnu_attribute_alignment : -1
SgDeclarationModifier::gnu_declaration_visability_enum p_gnu_attribute_visability : 2
bool p_protected_declaration : 0
int p_name_qualification_length_for_type : 0
bool p_type_elaboration_required_for_type : 0
bool p_global_qualification_required_for_type : 0
bool p_hasArrayTypeWithEmptyBracketSyntax : 0
bool p_using_C11_Alignas_keyword : 0
SgNode* p_constant_or_type_argument_for_Alignas_keyword : 0
bool p_using_auto_keyword : 0
bool p_using_device_keyword : 0
bool p_is_braced_initialized : 0

pointer:0x7f3027ab5530
SgVariableDeclaration
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 8:3
IsTransformation:0
IsOutputInCodeGeneration:0
Declaration mangled name: _variable_declaration__variable_type_i_variable_name_main_0x7f302804ad90__scope____SgSS2____scop

Click here to go to the parent node

SgNode* p_parent : 0x7f3027c8b010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6f778
Sg_File_Info* p_endOfConstruct : 0x7f3027d6f7d0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
unsigned int p_decl_attributes : 0
std::string p_linkage :
SgDeclarationModifier p_declarationModifier : <too long>: <too long>: SgDeclarationModifier(isUnknown() = false isDefault() = false isFrie
bool p_nameOnly : 1
bool p_forward : 0
bool p_externBrace : 0
bool p_skipElaborateType : 0
SgDeclarationStatement* p_definingDeclaration : 0
SgDeclarationStatement* p_firstNondefiningDeclaration : 0x7f3027ab5530
SgQualifiedNamePtrList p_qualifiedNameList : []
std::string p_binding_label :
SgDeclarationStatement* p_baseTypeDefiningDeclaration : 0
SgInitializedNamePtrList p_variables : [0x7f3027db9068]
bool p_variableDeclarationContainsBaseTypeDefiningDeclaration : 0
SgDeclarationStatement::template_specialization_enum p_specialization : 1
bool p_requiresGlobalNameQualificationOnType : 0
std::string p_gnu_extension_section :
std::string p_gnu_extension_alias :
unsigned short p_gnu_extension_initialization_priority : 0
SgDeclarationStatement::gnu_extension_visability_attribute_enum p_gnu_extension_visability : 0
SgVariableDeclaration::gnu_extension_declaration_attributes_enum p_gnu_extension_declaration_attribute : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0
bool p_isAssociatedWithDeclarationList : 0
bool p_isFirstDeclarationOfDeclarationList : 1
bool p_is_thread_local : 0
bool p_is_constexpr : 0

Click here to go to the parent node

SgNode* p_parent : 0x7f3027ab5530
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6f720
Sg_File_Info* p_endOfConstruct : 0x7f3027d6f6c8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgName p_name : sum
std::string p_microsoft_uuid_string :
SgType* p_typeptr : 0x7f3028676010
SgInitializer* p_initptr : 0
SgInitializedName* p_prev_decl_item : 0
bool p_is_initializer : 1
SgDeclarationStatement* p_declptr : 0x7f30279974a0
SgStorageModifier* p_storageModifier : 0x2fb85c8
SgScopeStatement* p_scope : 0x7f3027c8b010
SgInitializedName::preinitialization_enum p_preinitialization : 0
bool p_isCoArray : 0
SgInitializedName::asm_register_name_enum p_register_name_code : 0
SgInitializedName::excess_specifier_enum p_excess_specifier : 0
std::string p_register_name_string :
bool p_requiresGlobalNameQualificationOnType : 0
bool p_shapeDeferred : 0
bool p_initializationDeferred : 0
SgBitVector p_gnu_attribute_modifierVector : [F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F, F]
unsigned long int p_gnu_attribute_initialization_priority : 0
std::string p_gnu_attribute_named_weak_reference :
std::string p_gnu_attribute_named_alias :
std::string p_gnu_attribute_cleanup_function :
std::string p_gnu_attribute_section_name :
int p_gnu_attribute_alignment : -1
SgDeclarationModifier::gnu_declaration_visability_enum p_gnu_attribute_visability : 2
bool p_protected_declaration : 0
int p_name_qualification_length_for_type : 0
bool p_type_elaboration_required_for_type : 0
bool p_global_qualification_required_for_type : 0
bool p_hasArrayTypeWithEmptyBracketSyntax : 0
bool p_using_C11_Alignas_keyword : 0
SgNode* p_constant_or_type_argument_for_Alignas_keyword : 0
bool p_using_auto_keyword : 0
bool p_using_device_keyword : 0
bool p_is_braced_initialized : 0

pointer:0x283f920
SgOmpParallelStatement
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 9:1
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f3027c8b010
bool p_isModified : 1
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x2799420
Sg_File_Info* p_endOfConstruct : 0x2799370
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgStatement* p_body : 0x27cf870
SgOmpClausePtrList p_clauses : [0x2dfff20]

pointer:0x27cf870
SgOmpForStatement
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 9:1
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x283f920
bool p_isModified : 1
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x2798d98
Sg_File_Info* p_endOfConstruct : 0x2798ce8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgStatement* p_body : 0x7f302774e010
SgOmpClausePtrList p_clauses : [0x26aa730, 0x7f302750d010, 0x7f3034c65010]

pointer:0x7f302774e010
SgForStatement
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:3
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x27cf870
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d71038
Sg_File_Info* p_endOfConstruct : 0x7f3027d71090
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0x28a9480
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgSymbolTable* p_symbol_table : 0x7f3029010600
SgTypeTable* p_type_table : 0x2565548
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgForInitStatement* p_for_init_stmt : 0x7f3027717080
SgStatement* p_test : 0x7f302767e070
SgExpression* p_increment : 0x7f3027614010
SgStatement* p_loop_body : 0x7f3027c8b128
SgStatement* p_else_body : 0
std::string p_string_label :

AstAttributes:
OmpAttributeList: 0x28340c0

pointer:0x7f3027717080
SgForInitStatement
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:8
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f302774e010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6fd50
Sg_File_Info* p_endOfConstruct : 0x7f3027d6fda8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgStatementPtrList p_init_stmt : [0x7f302767e010]

pointer:0x7f302767e010
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:8
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f3027717080
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6fca0
Sg_File_Info* p_endOfConstruct : 0x7f3027d6fcf8
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgExpression* p_expression : 0x7f30276ad010

pointer:0x7f30276ad010
SgAssignOp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:9
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f302767e010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6fbf0
Sg_File_Info* p_endOfConstruct : 0x7f3027d6fc48
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d6fae8
SgExpression* p_lhs_operand_i : 0x7f30276e4010
SgExpression* p_rhs_operand_i : 0x7f3027964078
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7f30276e4010
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:8
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f30276ad010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6f9e0
Sg_File_Info* p_endOfConstruct : 0x7f3027d6fa38
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 1
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d6f828
SgVariableSymbol* p_symbol : 0x301d7d0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7f3027964078
SgIntVal
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:10
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f30276ad010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6fa90
Sg_File_Info* p_endOfConstruct : 0x7f3027d6f988
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d6fb40
SgExpression* p_originalExpressionTree : 0
int p_value : 0
std::string p_valueString : 0

pointer:0x7f302767e070
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:12
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f302774e010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70118
Sg_File_Info* p_endOfConstruct : 0x7f3027d70170
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgExpression* p_expression : 0x7f3027647010

pointer:0x7f3027647010
SgLessThanOp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:13
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f302767e070
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70068
Sg_File_Info* p_endOfConstruct : 0x7f3027d700c0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d6ff60
SgExpression* p_lhs_operand_i : 0x7f30276e4078
SgExpression* p_rhs_operand_i : 0x7f30279640e0
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7f30276e4078
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:12
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f3027647010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6fe58
Sg_File_Info* p_endOfConstruct : 0x7f3027d6feb0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d6f880
SgVariableSymbol* p_symbol : 0x301d7d0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7f30279640e0
SgIntVal
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:14
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f3027647010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d6ff08
Sg_File_Info* p_endOfConstruct : 0x7f3027d6fe00
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d6ffb8
SgExpression* p_originalExpressionTree : 0
int p_value : 1000
std::string p_valueString : 1000

pointer:0x7f3027614010
SgPlusPlusOp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:20
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f302774e010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70328
Sg_File_Info* p_endOfConstruct : 0x7f3027d70380
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d6fb98
SgExpression* p_operand_i : 0x7f30276e40e0
SgType* p_expression_type : 0
SgUnaryOp::Sgop_mode p_mode : 1

pointer:0x7f30276e40e0
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 10:19
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f3027614010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70220
Sg_File_Info* p_endOfConstruct : 0x7f3027d70278
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 1
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d70010
SgVariableSymbol* p_symbol : 0x301d7d0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7f3027c8b128
SgBasicBlock
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 11:3
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f302774e010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d703d8
Sg_File_Info* p_endOfConstruct : 0x7f3027d70430
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgSymbolTable* p_symbol_table : 0x7f3029010730
SgTypeTable* p_type_table : 0x2565570
std::set<SgSymbol*> p_type_elaboration_list : []
std::set<SgSymbol*> p_hidden_type_list : []
std::set<SgSymbol*> p_hidden_declaration_list : []
SgStatementPtrList p_statements : [0x7f302767e0d0, 0x7f302767e130]
std::string p_asm_function_body :

pointer:0x7f302767e0d0
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 12:5
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f3027c8b128
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70bc0
Sg_File_Info* p_endOfConstruct : 0x7f3027d70c18
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgExpression* p_expression : 0x7f30276ad080

pointer:0x7f30276ad080
SgAssignOp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 12:9
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f302767e0d0
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70b10
Sg_File_Info* p_endOfConstruct : 0x7f3027d70b68
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d70698
SgExpression* p_lhs_operand_i : 0x7f30275dd010
SgExpression* p_rhs_operand_i : 0x7f30275a6010
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7f30275dd010
SgPntrArrRefExp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 12:6
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f30276ad080
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d706f0
Sg_File_Info* p_endOfConstruct : 0x7f3027d70748
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 1
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d702d0
SgExpression* p_lhs_operand_i : 0x7f30276e4148
SgExpression* p_rhs_operand_i : 0x7f30276e41b0
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7f30276e4148
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 12:5
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int [1000]

Click here to go to the parent node

SgNode* p_parent : 0x7f30275dd010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d704e0
Sg_File_Info* p_endOfConstruct : 0x7f3027d70538
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d701c8
SgVariableSymbol* p_symbol : 0x301d800
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7f30276e41b0
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 12:7
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f30275dd010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d705e8
Sg_File_Info* p_endOfConstruct : 0x7f3027d70640
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d70488
SgVariableSymbol* p_symbol : 0x301d7d0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7f30275a6010
SgMultiplyOp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 12:11
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f30276ad080
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70a08
Sg_File_Info* p_endOfConstruct : 0x7f3027d70a60
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d70900
SgExpression* p_lhs_operand_i : 0x7f30276e4218
SgExpression* p_rhs_operand_i : 0x7f3027964148
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7f30276e4218
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 12:10
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f30275a6010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d707f8
Sg_File_Info* p_endOfConstruct : 0x7f3027d70850
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d70590
SgVariableSymbol* p_symbol : 0x301d7d0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7f3027964148
SgIntVal
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 12:12
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f30275a6010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d708a8
Sg_File_Info* p_endOfConstruct : 0x7f3027d707a0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d70958
SgExpression* p_originalExpressionTree : 0
int p_value : 2
std::string p_valueString : 2

pointer:0x7f302767e130
SgExprStatement
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 13:5
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f3027c8b128
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70f88
Sg_File_Info* p_endOfConstruct : 0x7f3027d70fe0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgExpression* p_expression : 0x7f302756f010

pointer:0x7f302756f010
SgPlusAssignOp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 13:8
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f302767e130
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70ed8
Sg_File_Info* p_endOfConstruct : 0x7f3027d70f30
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d70c70
SgExpression* p_lhs_operand_i : 0x7f30276e4280
SgExpression* p_rhs_operand_i : 0x7f30276e42e8
SgType* p_expression_type : 0
SgExpression* p_originalExpressionTree : 0

pointer:0x7f30276e4280
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 13:5
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f302756f010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70cc8
Sg_File_Info* p_endOfConstruct : 0x7f3027d70d20
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 1
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d70ab8
SgVariableSymbol* p_symbol : 0x301d830
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7f30276e42e8
SgVarRefExp
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 13:10
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f302756f010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d70dd0
Sg_File_Info* p_endOfConstruct : 0x7f3027d70e28
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d709b0
SgVariableSymbol* p_symbol : 0x301d7d0
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x26aa730
SgOmpOrderedClause
transformation 0:0
IsTransformation:1
IsOutputInCodeGeneration:1

Click here to go to the parent node

SgNode* p_parent : 0x27cf870
bool p_isModified : 1
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x2799058
Sg_File_Info* p_endOfConstruct : 0x27990b0
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0

pointer:0x7f302750d010
SgOmpReductionClause
transformation 0:0
IsTransformation:1
IsOutputInCodeGeneration:1

Click here to go to the parent node

SgNode* p_parent : 0x27cf870
bool p_isModified : 1
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x2799108
Sg_File_Info* p_endOfConstruct : 0x2799160
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgVarRefExpPtrList p_variables : [0x7f30276e4350]
SgOmpClause::omp_reduction_operator_enum p_operation : 1

pointer:0x7f30276e4350
SgVarRefExp
transformation 0:0
IsTransformation:1
IsOutputInCodeGeneration:1
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f302750d010
bool p_isModified : 1
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x27991b8
Sg_File_Info* p_endOfConstruct : 0x2799210
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x2799268
SgVariableSymbol* p_symbol : 0x301d830
SgExpression* p_originalExpressionTree : 0
int p_name_qualification_length : 0
bool p_type_elaboration_required : 0
bool p_global_qualification_required : 0

pointer:0x7f3034c65010
SgOmpScheduleClause
transformation 0:0
IsTransformation:1
IsOutputInCodeGeneration:1

Click here to go to the parent node

SgNode* p_parent : 0x27cf870
bool p_isModified : 1
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x27992c0
Sg_File_Info* p_endOfConstruct : 0x2799318
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgOmpClause::omp_schedule_kind_enum p_kind : 2
SgExpression* p_chunk_size : 0x7f3027964280

pointer:0x7f3027964280
SgIntVal
transformation 0:0
IsTransformation:1
IsOutputInCodeGeneration:1
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f30277df010
bool p_isModified : 1
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x2798be0
Sg_File_Info* p_endOfConstruct : 0x2798c38
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x2798c90
SgExpression* p_originalExpressionTree : 0
int p_value : 5
std::string p_valueString :

Click here to go to the parent node

SgNode* p_parent : 0x283f920
bool p_isModified : 1
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x2798ef8
Sg_File_Info* p_endOfConstruct : 0x2798f50
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgExpression* p_expression : 0x7f3027964218

pointer:0x7f3027964218
SgIntVal
transformation 0:0
IsTransformation:1
IsOutputInCodeGeneration:1
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f30277df010
bool p_isModified : 1
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x2798ad8
Sg_File_Info* p_endOfConstruct : 0x2798b30
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x2798b88
SgExpression* p_originalExpressionTree : 0
int p_value : 1
std::string p_valueString :

pointer:0x7f3027540010
SgReturnStmt
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 15:3
IsTransformation:0
IsOutputInCodeGeneration:0

Click here to go to the parent node

SgNode* p_parent : 0x7f3027c8b010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d711f0
Sg_File_Info* p_endOfConstruct : 0x7f3027d71248
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
SgLabelRefExp* p_numeric_label : 0
int p_source_sequence_value : -1
SgExpression* p_expression : 0x7f30279641b0

pointer:0x7f30279641b0
SgIntVal
/home/liao6/workspace/github/rose-ast.git/parallelfor.c 15:10
IsTransformation:0
IsOutputInCodeGeneration:0
Expression type: int

Click here to go to the parent node

SgNode* p_parent : 0x7f3027540010
bool p_isModified : 0
bool p_containsTransformation : 0
$CLASSNAME* p_freepointer : 0xffffffffffffffff
Sg_File_Info* p_startOfConstruct : 0x7f3027d710e8
Sg_File_Info* p_endOfConstruct : 0x7f3027d70e80
AttachedPreprocessingInfoType* p_attachedPreprocessingInfoPtr : 0
AstAttributeMechanism* p_attributeMechanism : 0
bool p_containsTransformationToSurroundingWhitespace : 0
bool p_need_paren : 0
bool p_lvalue : 0
bool p_global_qualified_name : 0
Sg_File_Info* p_operatorPosition : 0x7f3027d71198
SgExpression* p_originalExpressionTree : 0
int p_value : 0
std::string p_valueString : 0