genevalmag::Expression

```
# parent
# type_synthetized
# conflict
```

```
+ Expression()
+ ~Expression()
+ get_parent()
+ get_type_synthetized()
+ get_conflict()
+ set_parent()
+ set_type_synthetized()
+ delete_parent()
+ active_conflict()
+ desactive_conflict()
+ to_string()
```

parent

genevalmag::Sort

```
- s_name
- s_ins
- s_type_basic
```

```
+ Sort()
+ Sort()
+ Sort()
+ ~Sort()
+ operator=()
+ get_name()
+ set_name()
+ set_type_basic()
+ to_string()
+ equals()
+ is_type_basic()
+ key()
- copy()
- destroy()
```

a_sort_type

genevalmag::Expr_leaf

```
+ Expr_leaf()
+ ~Expr_leaf()
+ to_string()
+ equals()
```

genevalmag::Symbol

```
- symb_name
- symb_type
- symb_attrs
- symb_id
```

```
+ Symbol()
+ Symbol()
+ Symbol()
+ ~Symbol()
+ operator=()
+ get_name()
+ get_type()
+ get_id()
+ get_attrs()
+ get_attribute()
+ set_name()
+ set_type()
+ set_id()
+ add_attr()
+ is_non_terminal()
+ to_string()
+ equals()
+ key()
- copy()
- destroy()
```

genevalmag::Attribute

```
- a_name
- a_sort_type
- a_mod_type
- a_member_symbol
```

```
+ Attribute()
+ Attribute()
+ ~Attribute()
+ operator=()
+ get_name()
+ get_sort_type()
+ get_mod_type()
+ get_member_symbol()
+ set_name()
+ set_sort_type()
+ set_mod_type()
+ set_member_symbol()
+ is_synthetize()
+ is_inherit()
+ to_string()
+ equals()
+ key()
- copy()
- destroy()
```

i_symb

i_attr

r_value

genevalmag::Expr_instance

```
- i_symb
- i_num
- i_attr
```

```
+ Expr_instance()
+ Expr_instance()
+ ~Expr_instance()
+ operator=()
+ get_attr()
+ get_num()
+ get_symb()
+ set_attr()
+ set_num()
+ set_symb()
+ to_string()
+ equals_without_index()
+ key()
- copy()
- destroy()
```

l_value

genevalmag::Equation

```
- eq_id
- l_value
- r_value
- count_ref
```

```
+ Equation()
+ Equation()
+ ~Equation()
+ operator=()
+ get_l_value()
+ get_r_value()
+ get_id()
+ set_id()
+ set_l_value()
+ set_r_value()
+ inorder_only_leaf()
+ get_instance_right_side()
+ to_string()
+ equals()
+ key()
- copy()
- destroy()
- _get_count_ref()
- inorder_only_instance()
```