DepsgraphObjectInstance(bpy_struct)

base class — `bpy_struct`

class bpy.types.**DepsgraphObjectInstance(bpy_struct)**

Extended information about dependency graph object iterator (Warning: All data here is 'evaluated' one, not original .blend IDs)

instance_object

Evaluated object which is being instanced by this iterator

TYPE:

`Object`, (readonly)

is_instance

Denotes if the object is generated by another object

TYPE:

boolean, default False, (readonly)

matrix_world

Generated transform matrix in world space

TYPE:

`mathutils.Matrix` of 4 * 4 items in [-inf, inf], default ((0.0, 0.0, 0.0, 0.0), (0.0, 0.0, 0.0, 0.0), (0.0, 0.0, 0.0, 0.0), (0.0, 0.0, 0.0, 0.0)), (readonly)

object

Evaluated object the iterator points to

TYPE:

`Object`, (readonly)

orco

Generated coordinates in parent object space

TYPE:

`mathutils.Vector` of 3 items in [-inf, inf], default (0.0, 0.0, 0.0), (readonly)

parent

If the object is an instance, the parent object that generated it

TYPE:

`Object`, (readonly)

particle_system

Evaluated particle system that this object was instanced from

TYPE:

`ParticleSystem`, (readonly)

persistent_id

Persistent identifier for inter-frame matching of objects with motion blur

TYPE:

int array of 8 items in [-inf, inf], default (0, 0, 0, 0, 0, 0, 0, 0), (readonly)

random_id

Random id for this instance, typically for randomized shading

TYPE:

int in [0, inf], default 0, (readonly)

show_particles

Particles part of the object should be visible in the render

TYPE:

boolean, default False, (readonly)

show_self

The object geometry itself should be visible in the render

TYPE:

boolean, default False, (readonly)

uv

UV coordinates in parent object space

TYPE:

float array of 2 items in [-inf, inf], default (0.0, 0.0), (readonly)

classmethod bl_rna_get_subclass(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod bl_rna_get_subclass_py(id, default=None)

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
- `bpy_struct.items`
- `bpy_struct.keyframe_delete`
- `bpy_struct.keyframe_insert`
- `bpy_struct.keys`
- `bpy_struct.path_from_id`

- `bpy_struct.id_properties_ensure`
- `bpy_struct.id_properties_ui`
- `bpy_struct.is_property_hidden`
- `bpy_struct.is_property_overridable_library`
- `bpy_struct.is_property_readonly`
- `bpy_struct.is_property_set`
- `bpy_struct.path_resolve`
- `bpy_struct.pop`
- `bpy_struct.property_overridable_library_set`
- `bpy_struct.property_unset`
- `bpy_struct.type_recast`
- `bpy_struct.values`

References

- `Depsgraph.object_instances`