VolumeGrids(bpy_struct)

base class — `bpy_struct`

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

3D volume grids

active_index

Index of active volume grid

TYPE:

int in [0, inf], default 0

error_message

If loading grids failed, error message with details

TYPE:

string, default "", (readonly, never None)

frame

Frame number that volume grids will be loaded at, based on scene time and volume parameters

TYPE:

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

frame_filepath

Volume file used for loading the volume at the current frame. Empty if the volume has not be loaded or the frame only exists in memory.

TYPE:

string, default "", (readonly, never None)

is_loaded

List of grids and metadata are loaded in memory

TYPE:

boolean, default False, (readonly)

load()

Load list of grids and metadata from file

RETURNS:

True if grid list was successfully loaded

RETURN TYPE:

boolean

unload()

Unload all grid and voxel data from memory

save(filepath)

Save grids and metadata to file

PARAMETERS:

filepath (*string, (never None)*) – File path to save to

RETURNS:

True if grid list was successfully loaded

RETURN TYPE:

boolean

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.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.items`
- `bpy_struct.keyframe_delete`
- `bpy_struct.keyframe_insert`
- `bpy_struct.keys`
- `bpy_struct.path_from_id`
- `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

- `Volume.grids`