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# FModifierStepped(FModifier)

base classes — `bpy_struct`, `FModifier`

**class** `bpy.types.FModifierStepped(FModifier)`

Hold each interpolated value from the F-Curve for several frames without changing the timing

## **frame\_end**

Frame that modifier's influence ends (if applicable)

### **TYPE:**

float in `[-inf, inf]`, default 0.0

## **frame\_offset**

Reference number of frames before frames get held (use to get hold for '1-3' vs '5-7' holding patterns)

### **TYPE:**

float in `[-inf, inf]`, default 0.0

## **frame\_start**

Frame that modifier's influence starts (if applicable)

### **TYPE:**

float in `[-inf, inf]`, default 0.0

## **frame\_step**

Number of frames to hold each value

### **TYPE:**

float in `[-inf, inf]`, default 0.0

## **use\_frame\_end**

Restrict modifier to only act before its 'end' frame

### **TYPE:**

boolean, default False

## **use\_frame\_start**

Restrict modifier to only act after its 'start' frame

### **TYPE:**

boolean, default False

## **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`
- `FModifier.name`
- `FModifier.type`
- `FModifier.show_expanded`
- `FModifier.mute`
- `FModifier.is_valid`
- `FModifier.active`
- `FModifier.use_restricted_range`
- `FModifier.frame_start`
- `FModifier.frame_end`
- `FModifier.blend_in`
- `FModifier.blend_out`
- `FModifier.use_influence`
- `FModifier.influence`

## 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`
- `FModifier.bl_rna_get_subclass`
- `FModifier.bl_rna_get_subclass_py`