



## **Class ParameterWrapper**

# Table of contents

Class Documentation

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- Defined in [File parameter.hpp](#)

## Class Documentation

class ParameterWrapper

Class to wrap a parameter with `std::any`.

Public Functions

ParameterWrapper() = default

template<typename typeT>

inline explicit ParameterWrapper([Parameter<typeT>](#) &param)

Construct a new [ParameterWrapper](#) object.

Template Parameters

**typeT** – The type of the parameter.

Parameters

**param** – The parameter to wrap.

inline ParameterWrapper(`std::any` value, const `std::type_info *`type, const [ArgType](#) &arg\_type, void \*storage\_ptr = nullptr)

Construct a new [ParameterWrapper](#) object.

Parameters

- **value** – The parameter to wrap.
- **type** – The type of the parameter.
- **arg\_type** – The type of the parameter as an [ArgType](#).
- **storage\_ptr** –

inline const `std::type_info &`type() const

Get the type of the parameter.

Returns

The type info of the parameter.

```
inline const ArgType &arg_type() const
```

Get the type of the parameter as an ArgType.

Returns

The type of the parameter as an ArgType.

```
inline std::any &value()
```

Get the value of the parameter.

Returns

The reference to the value of the parameter.

```
inline void *storage_ptr() const
```

Get the pointer to the parameter storage.

Returns

The pointer to the parameter storage.

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