
Breathe Sample Documentation

1.0.0

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CHAPTER 1

stream/stream.hpp

2.1 Sum

```
template <typename T>  
struct Sum
```

Public Functions

```
Sum ()
```

```
T Zero ()
```

Return

```
void operator () (T n)
```

Parameters

- n:

Public Members

```
T sum
```


3.1 accumulate

template <typename It, typename Result = typename std::iterator_traits<It>::value_type>
Result stream: **accumulate** (It *first*, It *last*)

Return

Parameters

- *first*:
- *last*:

3.2 average

template <typename It, typename Result = typename std::iterator_traits<It>::value_type>
Result stream: **average** (It *first*, It *last*)

Return

Parameters

- *first*:
- *last*:

3.3 average_float

template <typename It>
float stream: **average_float** (It *first*, It *last*)

Return

Parameters

- first:
- last:

S

`stream::Sum(C++), 3`