

The FLQuant class



Maritime Affairs Unit G04 - IPSC
European Commission
Joint Research Center

Class structure

array

- 6 dims: (quant), year, unit, season, area, iter

attributes

Class structure

array

- 6 dims: (quant), year, unit, season, area, iter

attributes

- units: character

6D array

```
> array(1:144, dim=c(3,3,2,2,2,2))
```

```
, , 1, 1, 1, 1
```

```
    [,1] [,2] [,3]
```

```
[1,]    1    4    7
```

```
[2,]    2    5    8
```

```
[3,]    3    6    9
```

```
, , 2, 1, 1, 1
```

```
    [,1] [,2] [,3]
```

```
[1,]   10   13   16
```

```
[2,]   11   14   17
```

```
[3,]   12   15   18
```

2D vs ...

```
> dfa[1:10,]
```

	d1	d2	d3	d4	d5	d6	data
1	1	1	1	1	1	1	1
2	2	1	1	1	1	1	2
3	3	1	1	1	1	1	3
4	1	2	1	1	1	1	4
5	2	2	1	1	1	1	5
6	3	2	1	1	1	1	6
7	1	3	1	1	1	1	7
8	2	3	1	1	1	1	8
9	3	3	1	1	1	1	9
10	1	1	2	1	1	1	10

... 6D

```
> arr[,,,1,1,1]
```

```
, , 1
```

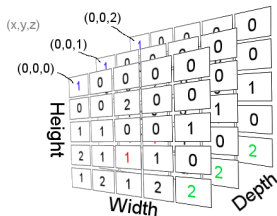
	[,1]	[,2]	[,3]
[1,]	1	4	7
[2,]	2	5	8
[3,]	3	6	9

```
, , 2
```

	[,1]	[,2]	[,3]
[1,]	10	13	16
[2,]	11	14	17
[3,]	12	15	18

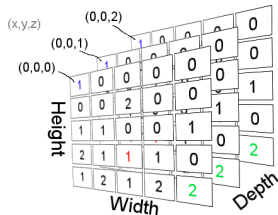
Characteristics

- *Arith* re-defined to always return an *FLQuant*



Characteristics

- *Arith* re-defined to always return an *FLQuant*
- Dimensions are not dropped even if of length=1



Methods

