# **Table Construction**

#### Lothar Rubusch

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#### 1 Plain

Χ	Χ	Χ	Χ	Col	Χ	Χ	Χ	X
Row	Row	Row	Row	X-ing	Row	Row	Row	Row
Χ	Х	Х	Х	Col	Х	Х	Х	Х
X	Х	Х	Х	Col	Х	Х	Х	х
X	Х	Х	Х	Col	Х	Х	Х	Х

#### 2 Cols

x	x	x	x	Col	x	x	x	x
Row	Row	Row	Row	X-ing	Row	Row	Row	Row
x	x	х	х	Col	х	x	x	x
x	x	x	х	Col	х	x	x	x
X	x	x	х	Col	х	x	x	x

#### 3 Rows

Х	Х	Х	Х	Col	Х	Х	Х	Х
Row	Row	Row	Row	X-ing	Row	Row	Row	Row
х	Х	Х	Х	Col	Х	Х	Х	х
х	Х	Х	Х	Col	Х	Х	Х	х
Х	Х	Х	Х	Col	Х	Х	Х	Х

# 4 Grid

Х	х	х	х	Col	Х	х	х	х
Row	Row	Row	Row	X-ing	Row	Row	Row	Row
Х	х	х	х	Col	х	х	х	х
Х	х	х	х	Col	х	х	х	х
х	х	х	х	Col	х	х	х	х

# 5 Header

Х	х	Х	Х	Col	Х	Х	Х	Х
Row	Row	Row	Row	X-ing Col Col Col	Row	Row	Row	Row
x	х	Х	Х	Col	Х	Х	Х	Х
x	х	Х	Х	Col	Х	Х	Х	Х
x	х	Х	Х	Col	Х	Х	Х	Х

# 6 Merge Cols (1)

Х	Х	Х	Х	Х	Х	Х	Х	х
Х	Х	х	Х	Le	Left border is static!		Х	х
Х	X X		Х	Х	Х	Х	Х	Х
Х	Х	х	Х	Le	ft doesn't matter!	Х	Х	Х
Х	Х	х	Х	Х	Х	Х	х	Х
Х	Х	х	Х		Both	Х	х	Х
Х	Х	х	Х	Х	Х	Х	х	Х
Fir	st left border misses!	Х	Х	Х	Х	х	х	Х
Х	Х	х	х	х	Х	х	х	Х
	First left fixed!	Х	х	х	х	х	х	х
Х	х х		Х	X X		Х	Х	х
Х	X X		Х	I	Right fixed, too!	Х	Х	х
Х	X	Х	Х	Х	X	Х	Х	Х

# 7 Merge Cols (2)

Х	Х	Х	Х	Single Cell	х	х	х	Х
Х	Х	х	Х	Merged	Col Cell	х	х	х
Х	Х	Х	Х	M	lerged Col Ce	II	х	х
Х	Х	х	х		${\sf Merged}$		x	
Х	Х	Х	х		M	II		
Х	Х	Х	Х	х	х	х	х	х
Х	Х	Х	Х	No border	No border	No border	No border	No border
Х	Х	Х	Х	No border	No border	No border	No border	х
Х	Х	Х	Х	No border	No border	No border	х	х
Х	Х	Х	Х	No border	No border	х	х	х
Х	Х	Х	Х	No border	х	х	х	Х
Х	Х	Х	Х	х	х	х	х	Х

# 8 Merge Rows

Х	Х	Х	Х	Х	Х	Х	Х	Х
Х	Х	Х	Х	Χ	Χ	Χ	Χ	x
Х	Χ	Х	Χ	Х	Χ	Х	Χ	x
Х	Χ	Х	Χ	Х	Χ	Х	Χ	x
Х	Х	Χ	Χ	Χ	Χ	Х	Χ	x
х	х	Χ	Χ	Χ	Χ	Χ	Χ	x
х	х	х	Χ	Χ	Χ	Χ	Χ	x
х	Х	Х	х	Χ	Χ	Χ	Χ	x
Х	Х	Х	х	Х	Χ	Χ	Х	х
Х	Х	Х	Х	Х	Х	Х	Х	Х

## 9 Merge Cells: Multirow

Uses package multirow!

Х	Х	Beware	x	Х
Х	Х	of hline	x	Х
Х	Х	or mine	x	Х
х	х	x	x	х
х	х	x	Better!	х
Х	Х	x	Detter:	Х

#### 10 Center

Х	Х	X	Х	Col	X	X	X	Х
Row	Row	Row	Row	X-ing	Row	Row	Row	Row
Х	Х	Х	X	Col	Х	Х	Х	Х
Х	Х	Х	Х	Col	Х	Х	Х	Х
Х	Х	Х	Х	Col	Х	Х	Х	Х

# 11 Left-Center-Right

loooooong word	loooooong word	loooooong word	loooooong word	word	word
center		С	r	center	center
center	I	С	r	center	center
center	I	С	r	center	center

#### 12 Static size

Х	Х	Х	Х	х
Х	Х	Х	Х	Х
Х	Х	Х	Х	Х
Х	Х	Х	Х	Х
Х	Х	Х	Х	Х
Х	Х	Х	Х	Х

# 13 Static Size and Ending Sequence

Х	Х	X	end of cell x	Х
Х	Х	X	end of cell x	Х
Х	Х	X	end of cell x	х
Х	Х	X	end of cell x	х
Х	Х	X	end of cell x	х
Х	Х	Х	end of cell x	х

#### 14 Position

Possible positions are c,t or b.

Call me Ishmael. Some years ago- never mind how long precisely- having little or no money in my purse, and nothing particular to interest me on shore, I thought I would sail about a little and see the watery part of the world.

Call me Ishmael. Some years ago- never mind how long precisely- having no a lot of

in my purse, and nothing particular to interest me on shore, I thought I would sail about a little and see the watery part of the world.

Call me Ishmael. Some years ago- never mind how long precisely- having little money no a lot of

in my purse, and nothing particular to interest me on shore, I thought I would sail about a little and see the watery part of the world.

little no

Call me Ishmael. Some years ago- never mind how long precisely- having a lot of money in my purse, and nothing particular to interest me on shore, I thought I would sail about a little and see the watery part of the world.

#### 15 Repeted Declaration

The custom way...

1.0	2.4	F 6	7.0
1,2	3,4	5,0	1,0
9.10	11.12	13.14	15,16

The new way...

1,2	3,4	5,6	7,8
9,10	11,12	13,14	15,16

Serial way using a '.' instead of a ','

1.2	3.4	5.6	7.8
9.10	11.12	13.14	15.16

# 16 Tabbing

Command	Explanation	Use
\=	set a tab	word $\setminus =$
$\neq \$	define a tab	$word \setminus quad \setminus =$
\>	next tab field	∖> next word
\> \<	previous tab field	√< prev word
\+	left side one	end of row $ackslash+$
	position to the left	
\-	right side one	end of row $\setminus$ -
	position to the right	
\kill	spacer	after tab declaration

The problem of tabbing is:

This text is ok This textewised up!!

# 17 Long Tables

Uses package longtable.!

end	first	head
х	х	Х
x	x	х
x	x	х
х	x	Х
х	x	Х
x	x	Х
x	x	Х
x	x	Х
x	x	Х
x	x	х
x	x	Х
x	x	Х
x	x	Х
х	x	Х
x	x	Х
Х	×	х
х	x	х
х	x	Х
х	x	Х
all	pages	footer

all	pages	head
х	х	Х
x	x	Х
x	x	Х
x	x	Х
x	x	Х
x	x	X
Х	X	Χ
Х	x	Χ
x	x	Χ
x	x	Χ
x	x	Χ
x	x	Χ
x	x	Χ
x	x	Χ
x	x	Х
x	x	Х
x	X	X
x	X	X
X	X	Χ
x	x	Х
x	x	Х
x	x	Х
x	X	Х
x	X	Х
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	Χ
X	X	Χ
X	X	Χ
X	X	Х
X	X	Х
X	X	Х
X	X	Χ
X	X	Х
X	X	Х
X	X	Х
X	X	Х
X	X	Х
X	X	Х
X	X	X
all	pages	footer

all	pages	head
Х	Х	Х
x	x	Х
x	x	Х
x	x	Х
x	x	Х
x	х	Х
х	х	Х
х	х	Х
x	х	Х
x	x	Х
x	x	Х
x	x	Х
x	x	Х
x	x	Х
x	x	Х
х	x	Х
x	х	Х
Х	х	Х
х	x	Х
х	x	Х
х	x	Х
х	x	Х
х	x	Х
Х	х	Х
X	х	Х
X	х	Х
X	х	Х
X	х	Х
X	х	Х
x	x	Х
x	x	Х
x	x	Х
x	x	Х
x	x	Х
X	X	Х
end	last	foot

## 18 Array

p{}	m{}	b{}
grounded	centered	leading
Call me Ish-	Call me Ish- mael.	Call me Ish- mael.
Call me Ish- mael.	Call me Ish- mael.	Call me Ish- mael.
Call me Ish- mael.	Call me Ish- mael.	Call me Ish- mael.

## 19 Array: Format

Format an array using comments or commands at the column declaration.

- >{comment} sets it before a column,
- <{comment} sets it after a column (never used it)
- !{comment} between the columns (never ever used that one)

BEFOREp{	<b>]</b> m{}	b{}
BEFOREgrou	leading	
BEFORECall me Ishmael.	Call me Ish- mael.	Call me Ishmael.
BEFORECall me Ishmael.	Call me Ish- mael.	Call me Ishmael.
BEFORECall me Ishmael.	Call me Ish- mael.	Call me Ishmael.

#### 20 Scientific Booktabs

Uses package booktabs! Tables for scientific articles.

- \toprule a line on top of the table
- \midrule a line within the table
- \bottomrule a line at the bottom of the table
- \cmimidrule[trim]{ col.start col.end } works like \cline, trim defines where to place the gap (l,r or lr possible)
- \addlinespace generates an additional linespace

	bla		
bla	bla	bla	weight in g
item	description	spec.	1.1
item	description	spec.	2.2
item	description	spec.	3.3
item	description	spec.	4.4