

## Xlsx Import/Export: importData functions

☐—XLSX import

	A	B	C	D	E	F	G
1							
2							
3		a text		0,857142857	2,00		
4			another text	sin(5*6/14)	1,00	1,00	
5					formatted text		
		9,46E-028	5,4567E+028				
6			a "complex" string				G6 string
7							
8							

*import a single cell*

*(file in the same folder of this sheet; use a relative/absolute path otherwise)*

```
A:=importData_XLSX("my SMath XLSX input.xlsx", "Sheet2", "G6")
```

```
A=("G6 string")
```

*import a range of cells*

```
B:=importData_XLSX("my SMath XLSX input.xlsx", "Sheet2", "B2", "G7")
```

$$B = \begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ \text{"a text"} & 2540 \frac{kg}{s} & 0.8571 & 2 & 0 & 0 \\ 0 & \text{"another text"} & 0.8408 & 1 & 1 & 0 \\ 9.4567 \cdot 10^{-28} & 5.4567 \cdot 10^{28} & 0 & \text{"formatted text"} & 0 & 0 \\ 0 & \text{"a \"complex\" string"} & 0 & 0 & 0 & \text{"G6 string"} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$$

*import a range of cells (input left-top corner and bottom-right corner swapped)*

```
C:=importData_XLSX("my SMath XLSX input.xlsx", "Sheet2", "G7", "B2")
```

$$C = \begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ \text{"a text"} & 2540 \frac{kg}{s^2} & 0.8571 & 2 & 0 & 0 \\ 0 & \text{"another text"} & 0.8408 & 1 & 1 & 0 \\ 9.4567 \cdot 10^{-28} & 5.4567 \cdot 10^{28} & 0 & \text{"formatted text"} & 0 & 0 \\ 0 & \text{"a \"complex\" string"} & 0 & 0 & 0 & \text{"G6 string"} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$$

*import data envelope from a sheet*

```
D:=importData_XLSX("my SMath XLSX input.xlsx", "Sheet2")
```

$$D = \begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \text{"a text"} & 2540 \frac{kg}{s^2} & 0.8571 & 2 & 0 & 0 \\ 0 & 0 & \text{"another text"} & 0.8408 & 1 & 1 & 0 \\ 0 & 9.4567 \cdot 10^{-28} & 5.4567 \cdot 10^{28} & 0 & \text{"formatted text"} & 0 & 0 \\ 0 & 0 & \text{"a \"complex\" string"} & 0 & 0 & 0 & \text{"G6 string"} \end{pmatrix}$$


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