Xjenza Online - Journal of The Malta Chamber of Scientists www.xjenza.org

DOI: DOI

Malta Chamber of Scientists

Sample Article

Sample paper on how to use the LATEX Xjenza template

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Abstract. This is a sample paper to help you get use to the Xjenza template. Throughout this document one should find conventions on how to write chemical formula, tables, units, figures and equations using LaTeX. Furthermore, examples will be given on how to do citations and text citations.

1 Introduction

The following is some Latin text to give you an idea of the type setting of the template.

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2 Chemical formula

Writing chemical formulas is made easy with the mhchem package. Here are a couple of examples:

$$\begin{array}{ccc} 2\operatorname{H}_2\operatorname{O} & \longrightarrow 4\operatorname{H}_2 + \operatorname{O}_2 \\ & \longrightarrow \\ & \longleftarrow \\ & \longleftarrow \\ & \longleftarrow \\ & \stackrel{Process}{\longleftrightarrow} \\ \operatorname{CH}_3 - \operatorname{C} \equiv \operatorname{C} = \operatorname{CH}_2 \end{array}$$

$$AgCl \Longrightarrow Ag^+ + Cl^-$$
 (1)

$$CO_2 + 6H_2O \xrightarrow{Endothermic} C_6H_{12}O_6 + CO_2$$
 (2)

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3 More Latin text

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4 Figures

Figures, ideally, should be in vector format, as is the one shown in Figure 1. If this is not possible it is expected that a sufficient resolution for publication is given.

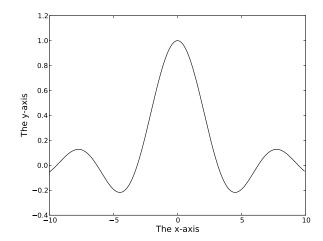


Figure 1: A $\frac{\sin(x)}{x}$ function.

5 Units

When writing units there are a lot of rules and conventions that one has to worry about. These worries can be removed by using the siunitx package, examples of which are given below.

name	unit
millisecond meter second	ms m s
force Plank constant	$kg m s^{-2}$ $6.626 \times 10^{-34} J s$

This is an extremely useful package. Further information on this package can be frond from http://www.texdev.net/wp-content/uploads/2009/12/siunitx.pdf.

6 Tables

When writing tables use the booktabs package to enhance their readability and neatness. Table 1 is an example of how to use this package.

7 citations

For information about the installations requires for the citation packages to work please refer to the installationInstructions file in the biblatex-xjenza folder. When citing there are principally two different ways needed. When the citation is in text, example; **TestKey** showed that

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Table 1: A test table.

		Fitted parameters					Effected distance			
		β	A	α	ξ	ω	\mathbb{R}^2	RMSE	W-S-W	E-N-E
Ip	Ве	1.83	13.86	-3.51	15.70	22.21	0.91	0.76	-45.95	28.12
	To	0.36	4.08	-3.13	15.01	17.73	0.93	0.16	-36.44	26.83
	Eb	1.39	25.14	-3.09	14.11	15.82	0.96	0.71	-33.71	25.45
	mX	0.44	8.17	-3.38	14.46	15.19	0.96	0.22	-31.75	24.58
	oX	1.16	23.97	-3.01	13.91	14.48	0.96	0.64	-30.15	24.63
Ave	erage	1.04	15.04	-3.22	14.64	17.09	0.94	0.50	-35.60	25.92
Std. Dev		0.63	9.36	0.21	0.73	3.11	0.02	0.29	6.24	1.53
Р	Ве	0.54	4.84	-5.15	22.84	34.23	0.91	0.33	-64.26	34.36
	То	0.13	1.37	-3.75	19.69	24.01	0.93	0.07	-46.22	32.08
	Eb	0.54	8.80	-2.77	16.42	18.75	0.94	0.35	-37.13	30.06
	mX	0.17	2.86	-2.75	16.07	17.40	0.94	0.10	-34.49	29.13
	oX	0.45	8.48	-2.46	15.41	16.43	0.94	0.31	-32.28	29.01
Average		0.37	5.27	-3.38	18.09	22.16	0.93	0.23	-42.88	30.93
Std. Dev		0.20	3.32	1.11	3.13	7.35	0.01	0.14	13.08	2.28

And the normal citation method, example; Research shows that \dots (**TestKey**).

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