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Formatting Technical Memo with Quarto

A minimum example using the quarto-tech-memo extension

Firet Author Magic Technologies SA

> Summary This is an minimum technical memo containing the usual elements of technical writing: figure, table, equation, citation, bibliography, code snippet, and appendix. The document is rendered to PDF by Quarto with a custom extension which provides several styles. A memo style (inspired from Tufte handout style) for brief report, a 2-column paper style for scientific article, and a A3 poster style. The PDF is rendered with the modern Typst engine, which is built into Quarto.

Keywords: Quarto, technical writing, memo, paper, poster

1 Overview

The minimum example contains all standard elements of a technical writing to illustrate the formatting styles provided by the quarto-tech-memo extension. Let's start with some math: $e^{\pi i} + 1 = 0$ is an inline equation. Eq. (1) is a numbered equation. Here is a physical quantity with unit: 1µT (1 microtesla), note the thin non-breaking space. In IEEE legacy PDF, one need to use the math mode or the SI unit package to render the greek letters.

> $\nabla \times \mathbf{B} = \mu_0 \mathbf{J} + \mu_0 \varepsilon_0 \frac{\partial \mathbf{E}}{\partial t}$ (1)

[1] is a citation in IEEE style. Figure 1 shows a numbered figure. Table 1 is a

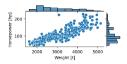


Figure 1: Figure caption

Table 1: Example of engineering table

Parameter	Symbol	Тур	Unit
Hall sensitivity	S_{H}	0.2	V/T
Effective nr. of bits	ENOB	12	-

Syntax highlighting is supported in code spinnet too. Moreover, callout hoves are available for tips, notes, warnings, and important remarks, with appropriate icons

def f(x. square=True): return (x**2) if square else x

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References

[1] G. Close, "Technical Writing and Publishing Data-Rich Articles with Quarto," Sep. 22, 2022. [Online]. Available: https://lowardsdatascience.com/technical-writing-and-publishing-data-rich-articles-with-quarto-db1a55bcaa64/

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Formatting Technical Memo with Quarto | A minimum example using the guarto-tech-memo extension

First Author

Magic Technologies SA

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including small inline image. 300×100 They shouldn't be used in 2-column Including small inline image. They shouldn't be used in 2-column paper style.) Eq. Equation 1 is a numbered equation. Here is a physical quantity with unit: 1 µ T (1 microtesia), note the thin non-breaking space. In IEEE legacy PDF, one need to use the math mode or the SI unit package to render the greek letters.

$$\nabla \times \mathbf{B} = \mu_0 \mathbf{J} + \mu_0 \varepsilon_0 \frac{\partial \mathbf{E}}{\partial t}$$
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[1] is a citation in IEEE style. Figure 1 shows a numbered figure. Table 1 is a numbered

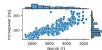


Figure 1: Figure caption

Table 1: Example of engineering table					
Parameter	Symbol	Тур	Unit		
Hall sensitivity	S_{H}	0.2	V/T		
Effective nr. of bits	ENOB	12	-		

Syntax highlighting is supported in code snippet too. Moreover, callout boxes are available for tips, notes, warnings, and important remarks, with appropriate icons or

return (x**2) if square else x

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References

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Formatting Technical Memo with Quarto

First Author (5) Magic Technologies SA

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Keywords: Quarto technical writing memo paper poster

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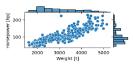


Figure 1: Figure caption

Table 1: Example of engineering table

Parameter	Symbol	Тур	Unit
Hall sensitivity	S_{H}	0.2	V/T
Effective nr. of bits	ENOB	12	-

Syntax highlighting is supported in code snippet too. Moreover, callout boxes are available for tips, notes, warnings, and important remarks, with appropriate icons or colors.

def f(x, square=True):
 # Python code snippet
 return (x**2) if square else x

The manuscript is written in Markdown, a plaintext easy syntax.

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ridiculus mus.

References

[1] G. Close, "Technical Writing and Publishing Data-Rich Articles with Quarto," Sep. 22, 2022. [Online]. Available: https://towardsdatascience.ass.com/doi/10.1001/j.data-sci-particles-with-quarto-doi-10.1001/j.data-sci-particles-with

Formatting Technical Memo with Quarto

First Author¹ ¹Magic Technologies SA Email: *abc@email.ch

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I. OVERVIEW

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300×100 They shouldn't be used in 2-column

$$\nabla \times \mathbf{B} = \mu_0 \mathbf{J} + \mu_0 \varepsilon_0 \frac{\partial \mathbf{E}}{\partial t}$$

is a citation in IEEE style. Figure 1 shows a numbered figure. Table I is a numbered table.

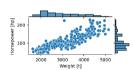


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Hall sensitivity	$S_{\rm H}$	0.2	V/T
Effective or of hite	ENOR	12	

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II. DUMMY TEXT

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