

JAMES KIRK

Physics xxx-xx: Fundamentals of Physics

Lab x: Experimental Physics Laboratory

June 11, 2015

Example Latex Physics Lab Report

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Abstract: Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

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1 Introduction

Here I can write the introduction and background to my lab report. I can cite my sources as (Hunter, 2007) and (Meyer et al., 2012). I can also cite together (Meyer et al., 2006; Peek et al., 2011).

Give an empty line to start a new paragraph. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text

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2 Experimental Methods

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2.1 Equipment Setup

To include a figure within the two column environment use “Figure”. To include a figure that spans the two column format, use “figure*”. Now I can references my figures as

Figure 1 and Figure 2. \LaTeX will decide where to put the figures *for me*.

Some more blank text – Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

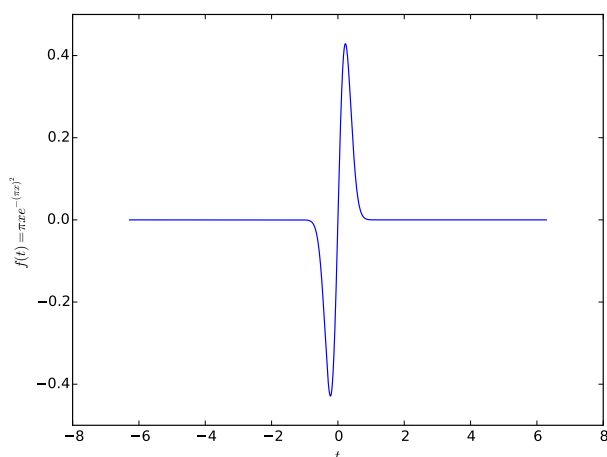


Figure 2: A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

2.2 Experimental Procedure

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3 Data and Analysis

To include a table within the two column environment use “Table”. To include a table that spans the two column environment use “threeparttable”.

Table 1: Table of Drake Equation Parameters.

R	Average star production rate.
f_g	Fraction of stars that are single F, G, or K dwarfs.
f_p	Fraction of stars with planets.
n_e	Number of suitable planets per star.
f_L	Fraction of suitable planets which evolve life.
f_i	Fraction of life bearing planets which develop intelligent life.
f_c	Fraction of planets with intelligent life which develop a technological civilization.
H_c	Characteristic time for evolution of a civilization.
H_*	Characteristic decay time for galactic star formation rate.

4 Discussion

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. Hello, here is some text without a meaning. This text should show what a printed text

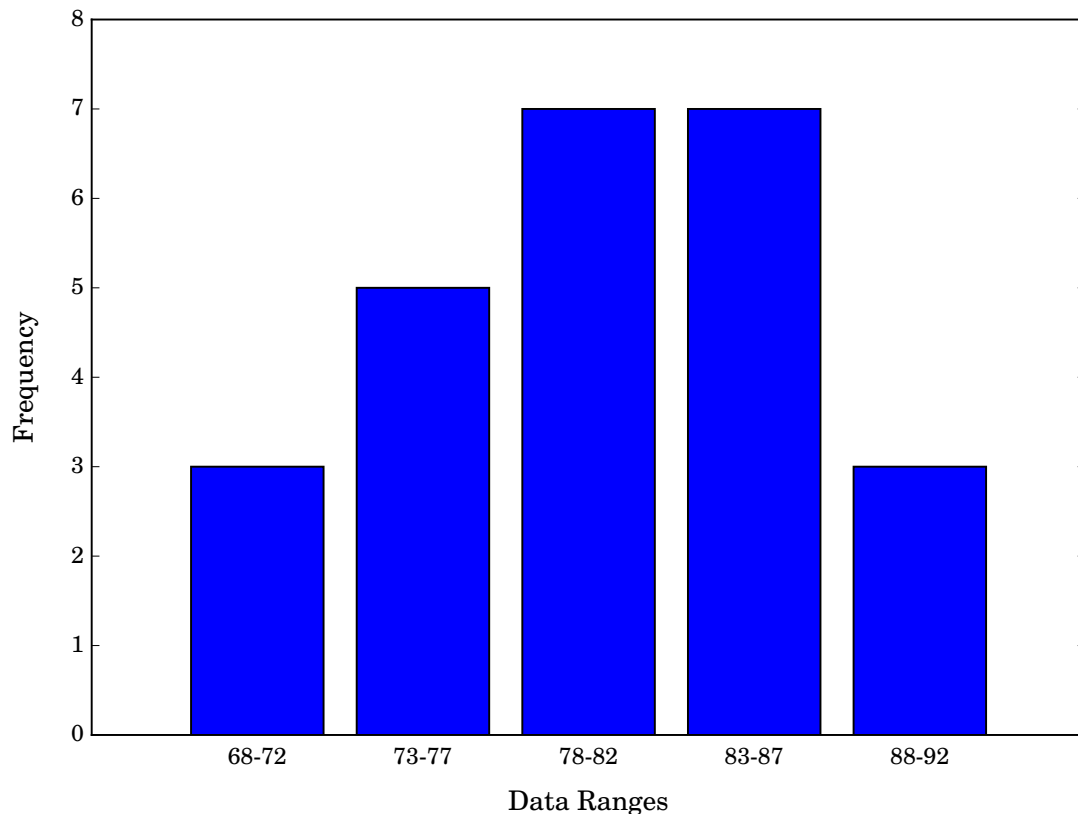


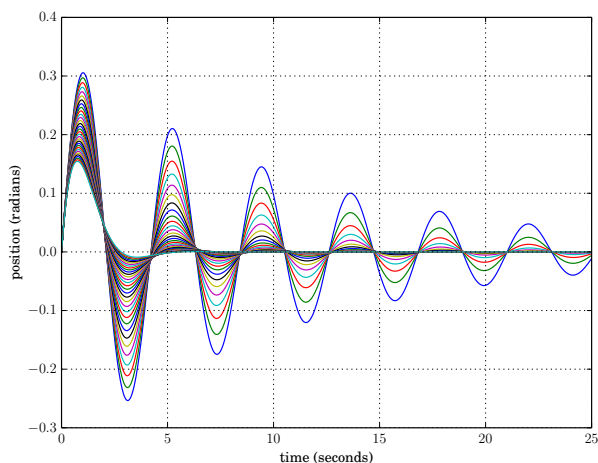
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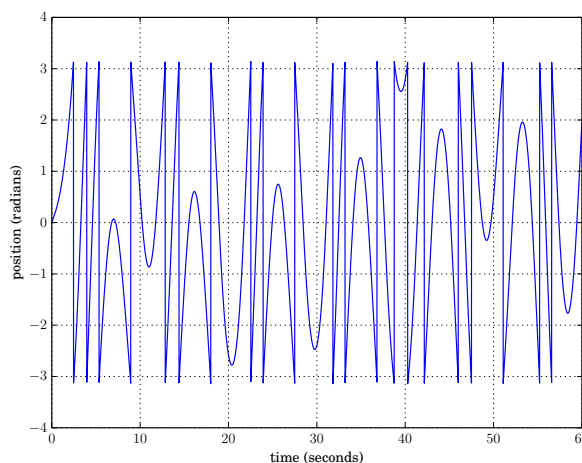
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5 Conclusions

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(a) Variation of Drag Coefficient



(b) Variation of Amplitude gives Period Doubling

Figure 3: Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

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Acknowledgements

Don't forget to acknowledge those who have contributed to your work! Hello, here is some text without a meaning.

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Table 2: Summary of WASP-12b Photometric Observations

Telescope	UT Date	Filter	# Data	ExpT ²	RMS ³	Scale ⁴
MORC ¹	2009-11-05	<i>r'</i>	160	100	1.3	1.32
MORC	2009-11-28	<i>r'</i>	134	100	1.0	1.33
MORC	2010-01-13	<i>r'</i>	123	100	1.1	1.24
MORC	2010-01-14	<i>g'</i>	151	100	1.2	1.46
MORC	2010-11-09	<i>r'</i>	129	100	1.2	1.70
MORC	2010-11-10	<i>r'</i>	119	100	0.9	1.29
MORC	2011-02-11	<i>r'</i>	138	100	0.9	1.22
MORC	2011-12-08	CBB	148	100	0.9	1.30
MORC	2012-02-27	<i>r'</i>	167	100	1.0	1.31
MORC	2012-02-28	<i>r'</i>	135	100	1.2	1.43
MORC	2012-03-10	<i>r'</i>	148	100	1.2	1.40
MORC	2012-11-18	<i>r'</i>	135	100	1.0	1.26
MORC	2012-12-12	<i>r'</i>	139	100	1.0	1.09
MORC	2012-12-23	<i>r'</i>	180	100	1.1	1.27
MORC	2013-01-05	<i>r'</i>	160	100	1.1	1.20
MORC	2013-01-27	<i>r'</i>	194	100	1.3	1.07
MORC	2013-11-11	V	93	100	1.3	1.15
MORC	2013-12-28	<i>r'</i>	167	100	1.1	1.40
MORC	2014-01-20	<i>r'</i>	181	100	1.1	1.25
MORC	2014-12-21	<i>r'</i>	201	100	1.4	1.34
MORC	2015-01-01	<i>r'</i>	150	100	1.9	1.20
MORC	2015-02-06	<i>r'</i>	217	100	1.3	1.10
MORC	2015-02-07	<i>r'</i>	138	100	1.1	1.20

¹ MORC=U. of Louisville Moore Obs. 0.6 m RCOS telescope² Exposure time in seconds³ RMS in units of 10^{-3} ⁴ Error scaling factor

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