Applied Mathematics and Informatics Program

Heart Rate Modeling

Moritz M. Konarski

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Bachelor of Arts

Author
Moritz M. Konarski

Certified by Thesis Supervisor
Professor Taalaibek Imanaliev

Accepted by
Sergey Sklyar
Head of Applied Mathematics and
Informatics Program, AUCA

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ABSTRACT

Here is an abstract.

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1 INTRODUCTION

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1.1 Hello there

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1.1.1 Methods

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2 METHOD 1

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Mauris ipsum quam, rhoncus nec vehicula vitae, viverra et nisi. Nullam pellentesque non magna sit amet efficitur. Duis efficitur lectus in placerat euismod. Fusce eu diam odio. Maecenas vehicula dapibus erat, ac vehicula tellus tempus non. Vestibulum pharetra varius leo, a posuere ante posuere ut. Donec sit amet bibendum nulla, sed ultricies libero.

Here are some mathematics examples using the standard word font for times new roman. This shall be used for comparison as well. I will hope that I can replicate this exactly using LuaLa-Tex. I hope so.

$$(x + a)^n = \sum_{k=0}^{n} \binom{n}{k} x^k a^{n-k} \tag{2.1}$$

$$f(x) = a_0 + \sum_{n=1}^{\infty} \left(a_n \cos \frac{n\pi x}{L} + b_n \sin \frac{n\pi x}{L} \right)$$

$$\cos \alpha + \cos \beta = 2 \cos \frac{1}{2}(\alpha + \beta) \cos \frac{1}{2}(\alpha - \beta)$$

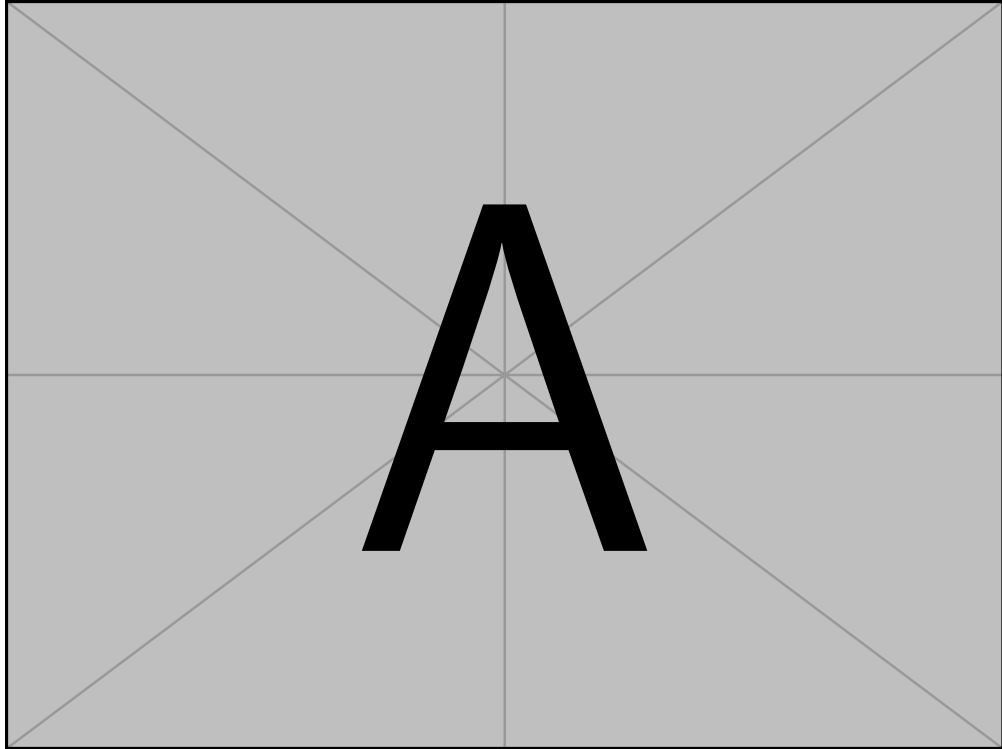In Figure 2.1 we can see what was indicated by (2.1)

Figure 2.1: This is a test caption

Table 2.1 may illustrate why Figure 2.1 looks the way it looks.

A	B	C
231123.2134234	30491234	02341029348
231123.2134234	30491234	02341029348
231123.2134234	30491234	02341029348
231123.2134234	30491234	02341029348

Table 2.1: This is a test caption for the table

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