



Applied Mathematics and Informatics Program

Heart Rate Modeling

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Bachelor of Arts

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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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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 LuaLaTeX.

I hope so.

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

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

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

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

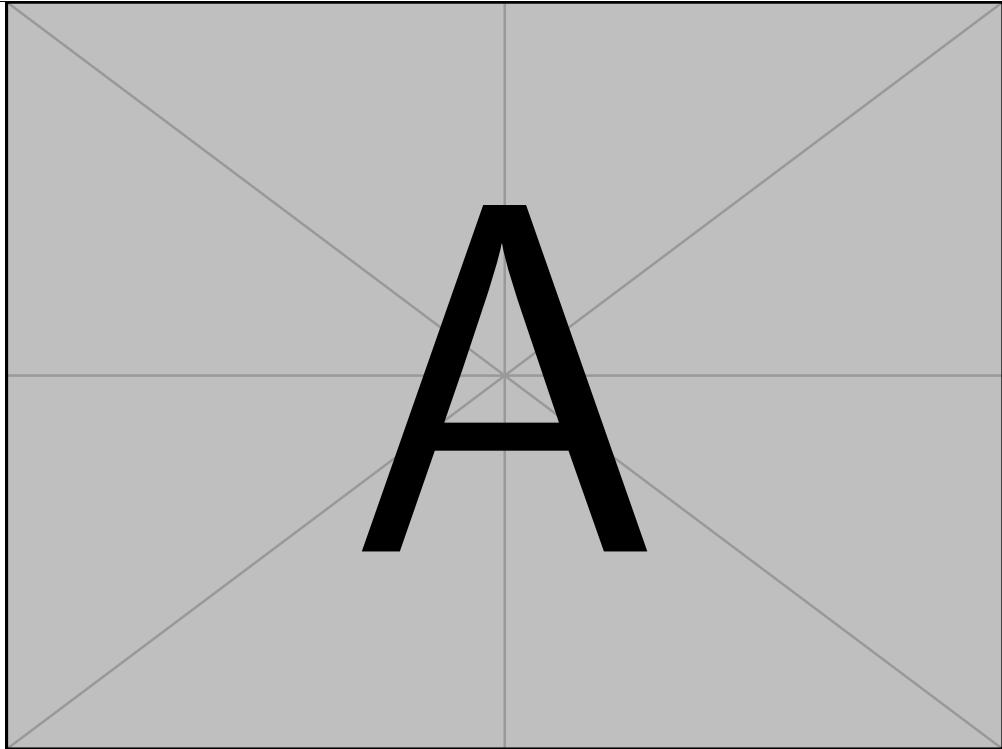


Figure 2.1: This is a test caption

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