

Progress Report - Ph.D

My report/thesis title here

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1 Introduction

This document will hopefully be a start. Section 1.1 will show you most of what you will need.

1.1 Content

Why is report writing so difficult? This colourful plot in Figure 1 shows how body surface mapping can help detect heart attacks [1]:

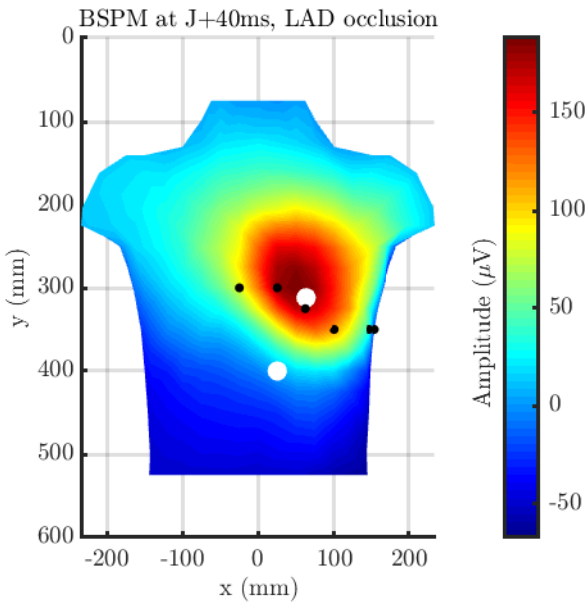


Figure 1: Anterior torso median-amplitude BSPM of sub-jects at J+40 ms during LAD occlusion PTCA (n = 14). White = SSL; black = V-leads [1]

Word is suitable for quick documents or reports, however, we all must admit it is limited in professional writing. For example, academic reports, published documents and book writing involves text formatting which required huge amounts of time in Word. Table 1 shows how much time you can waste doing reports in Word:

Table 1: Time spent using Word for each task vs LaTeX

Task	Time (Word)	Time (LaTeX)
Creating captioned figures	Minutes	Seconds
Pretty tables	30+ minutes	10 minutes
Page numbering the way you like it	10 minutes	Seconds
IEEE referencing across multiple chapters	Hours	Minutes

Equations are pretty easy too:

$$a^2 = b^2 + c^2 \tag{1}$$

References

- [1] M. Jennings, R. Bond, A. Rababah, J. McLaughlin, and D. Finlay, “St changes observed in short spaced bipolar leads suitable for patch based monitoring,” in *Computing in Cardiology*, 2019.