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Abstract

Keywords: keyword1, keyword2, keyword3

In this paper there are examples of all the useful things you can do with ETEX. This document includes settings and examples for using the following packages: amsmath, amsthm, comment, enumitem, fancyhdr, geometry, graphicx, hyperref, makeidx, natbib, palatino, titlesec, totcbibind, & verbatim plus the font packages: amsfonts, amssymb, cmmib57, eucal, (eufrak, euscript), & latexsym.

1 Introduction

This paper is a template for writing **MEX** papers for Brookline High School and other audiences.

In this paper there are examples of all the useful things you can do with MTEX. This document includes settings and examples for using the following packages: amsmath, amsthm, comment, enumitem, fancyhdr, geometry, graphicx, hyperref, makeidx, natbib, palatino, titlesec, totcbibind, & verbatim plus the font packages: amsfonts, amssymb, cmmib57, eucal, (eufrak,

euscript), & latexsym

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1.1 The quick brown fox

The quick brown fox jumps over the lazy dog. Nam dui ligula, fringilla a, euismod sodales, sollicitudin

^{*†} The authors wish to thank their families.

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2 This Section

In section 2 there are examples of the various types of lists¹:

Item 1 header This is item one...The quick brown fox jumps over the lazy

dog.

Item 2 header This is item one...The quick

brown fox jumps over the lazy

dog.

Item 3 header This is item one...The quick

brown fox jumps over the lazy

dog.

1) **Item 1 header** — This is item one...The quick brown fox jumps over the lazy dog.

- 2) **Item 2 header** This is item two...The quick brown fox jumps over the lazy dog.
- 3) **Item 3 header** This is item three... The quick brown fox jumps over the lazy dog.
- ► Item 1 header This is item one...The quick

brown fox jumps over the lazy dog.

- ► Item 2 header This is item two...The quick brown fox jumps over the lazy dog.
- ► Item 3 header This is item three... The quick brown fox jumps over the lazy dog.

3 The Other Section

In section 3 there are examples of mathematics:

$$y = mx + b Linear (3.1)$$

$$f(x) = \int_{-\infty}^{+\infty} e^{i\theta} d\theta \qquad \text{Integral} \quad (3.2)$$

$$z = 2^k - {k \choose 1} 2^{k-1} + {k \choose 2} 2^{k-2}$$
 Binomial (3.3)

4 The Code Section

```
# 34567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901
```

Listing 1: m4tacolor.py module

¹These correspond to the <dl>, , & HTML tags.

5 Conclusion

This last section provides a citation so that a bibliography is automatically included for (Bretscher, 2009) & (Eliot, 1871).

References

Bretscher, O. (2009). *Linear algebra with applications* (4th). Pearson Prentice Hall. http://isbn.nu/9780136009269

Eliot, G. (1871). *Middlemarch*. Penguin Books. http://isbn.nu/9780141439549