Automatic length and angle calculation of DNA on AFM images

Insert authors' names here

June 8, 2016

Contents

Abstract

This report summarizes ...

1 Introduction

This is how you cite [1]. The sources are saved in sources.bib. If you find a paper/article/book on googlescholar, click "cite" and copy the bibtex cite style into the source file. It will looks something like this:

```
@article{ficarra2005automated,
  title={Automated DNA fragments recognition and sizing through AFM image processing},
  author={Ficarra, Elisa and Benini, Luca and Macii, Enrico and Zuccheri, Giampaolo},
  journal={Information Technology in Biomedicine, IEEE Transactions on},
  volume={9},
  number={4},
  pages={508--517},
  year={2005},
  publisher={IEEE}
}
```

Alternatively just save them in a text document and we will merge all of them in the end.

2 Methods

This is how you include tables:

Table 1: My Table Caption.

x	y	z	α	β	γ
30	0.82	38.4	35.7	154	320
60	0.67	42.1	34.7	138	340
120	0.52	45.1	34.0	124	370

And this is how you reference a table: See Table 1.
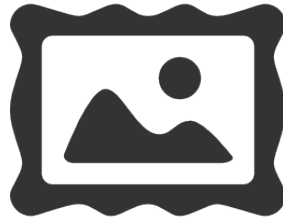
This is how you include figures:

Figure 1: My Figure Caption.

This is how you reference a Figure: See Figure 1.
And this is how you reference a section: See Section 3.

2.1   Software Architecture

2.2   Algorithm

2.3   Optimization

2.4   Test Data Creation

3   Results

3.1   Validation

3.2   Biological Significance

4   Discussion

5   Conclusion and Outlook

6   References

References

[1] Elisa Ficarra, Luca Benini, Enrico Macii, and Giampaolo Zuccheri. Automated dna fragments recognition and sizing through afm image processing. *Information Technology in Biomedicine, IEEE Transactions on*, 9(4):508–517, 2005.