Assignment Title

Leonardo Pedro

Novemember 20, 2018

Abstract

This is the abstract.

1 Introduction

1. A
2. B
3. C

1.1 Discussion

1.2 Conclusion

Contents

2 Ex. 2

$$\frac{\sin mx}{\sin x} = (-4)^{(m-1)/2} \prod_{j=1}^{(m-1)/2} \left(\sin^2 x - \sin^2 \frac{2\pi j}{m} \right)$$

$$f_n = f_{n-1} + f_{n-2} \tag{1}$$

[1] Footnote right here!

3 Ex. 3

		World Record	
Name	**Country**	**Event**	**Result**
Anna-Karin Kammerling	Sweden	50 m butterfly	25.57
Wilson Kipketer	Denmark	800 m	2:11.96
Jan Železný	Czech Republic	javelin throw	98.5
Sergei Bubka	Ukrain	pole vault	6.14

Reference (3)

4 Ex. 5

Figure 1: Tikz

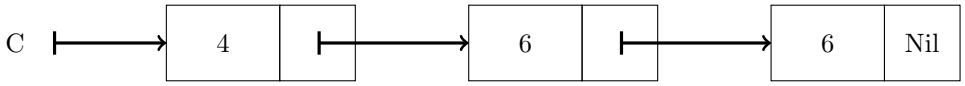

Figure 1 on page 3

5 Ex. 6

Figure 2: Lion

Figure 5 on page 4

6 Ex. 8

$$a) \quad (x^n)^2 + y^{n+1} = z^n \tag{2}$$

(b) *The Johansson Brothers & Son*

(c) .. end of a paragraph.
A new paragraph ...

7 Ex. 9

```
int main()
{
    int i;
    puts("LateX Program!");

    for (i = 0; i < N; i++)
    {
        puts("Exercise 9");
    }

    return 0;
}
```

8 Ex. 10

$$\sum_{i=0}^{n} \alpha_i$$

$$\sum_{i=0}^{n} \beta_i$$

9 Ex. 11

References

[1] P. J. Cameron, *Permutations Groups*, Cambridge University Press, Cambridge, 1999.

[2] P. Morton'Periods of Maps on Irreducible Polynomials over Finite Field', *Finite Fields and their Applications (Finite Fields Appl.)*, vol. 3, p. 11-24, 1997.