Test Document

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Contents

1 Math Magic

1.1 First Amazing Equation

$$f(x) = x^2 \tag{1}$$

1.2 Some Explaining To Do

Ever wondered why $f(x) = x^2$?
Because

$$1 + 2 = 3$$
$$1 = 3 - 2$$
$$f(x) = x^2$$
$$g(x) = \frac{1}{x}$$
$$F(x) = \int_b^a \frac{1}{3} x^3$$

1.3 Playing With Matrice

1 0 0
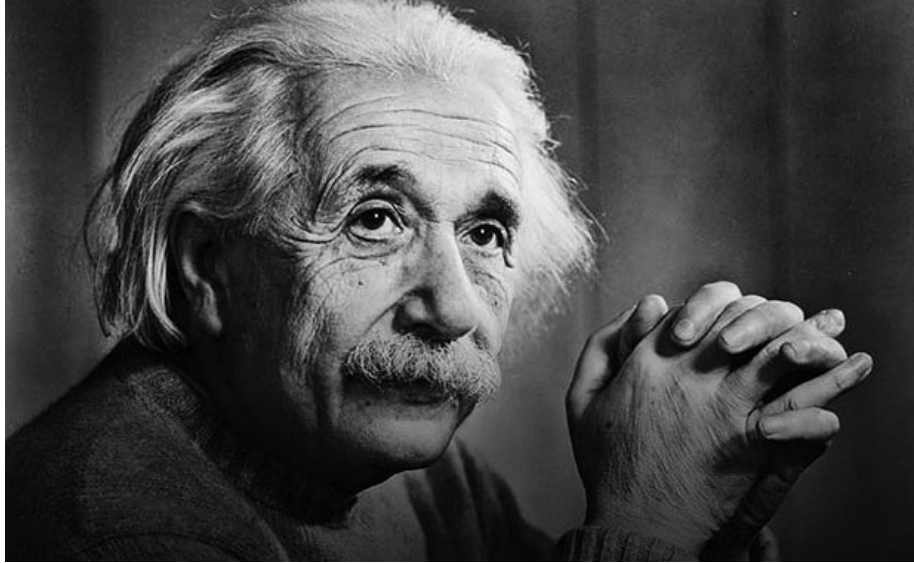0 1 0
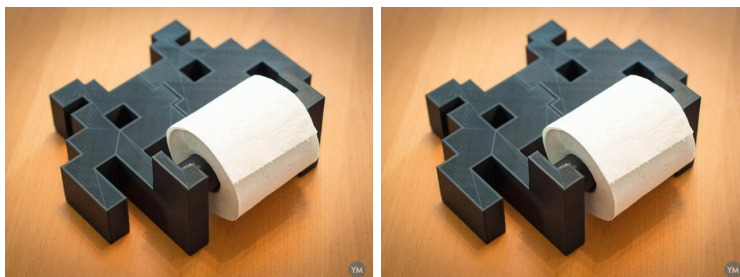0 0 1

1.4 Random Einstein

Figure 1: Best thinker of all time

Figure 1 shows my best friend (I wish). This is some example text [1]. Most random text to try and see if I can push the footnote label down. Over here, I am going to refer to 1 again.

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[1] I am the best

1.4.1 Multiple Figures!

(a) Toilet Paper

(b) More toilet paper

(c) What is this?

Figure 2: So much toilet paper

This great example in figure 2 shows how to make rows and columns.[2]

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[2]Isabel Hunter. "Inside the horrific unregulated sweatshops of Bangladesh". In: *Daily Mail* (Nov. 2015). URL: http://www.dailymail.co.uk/news/article-3339578/Crammed-squalid-factories-produce-clothes-West-just-20p-day-children-forced-work-horrific-unregulated-workshops-Bangladesh.html (visited on 06/24/2016), p. 1.

2 More Features

2.1 Table

Table 1: Fake table

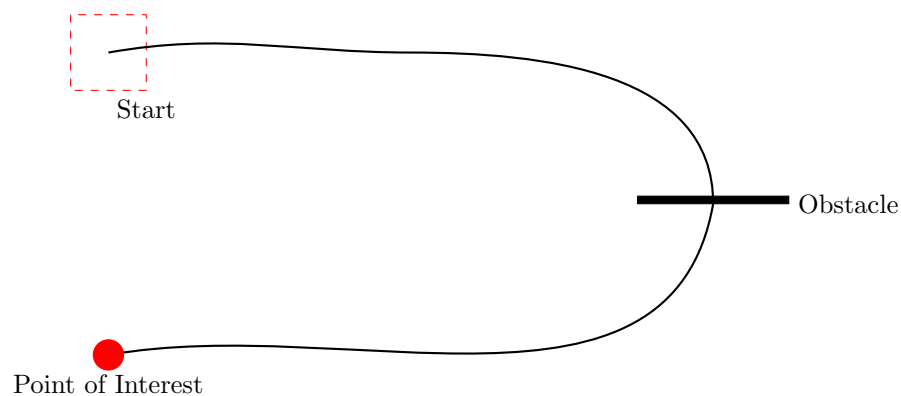| Value 1	Value 2	Value 3
α	β	γ
1	1110.10	a
	10.10	b
3	23.11	c
4	33.11	d
5		e
		f

2.2 Drawing with Tikz

Figure 3: Nice path you got there!

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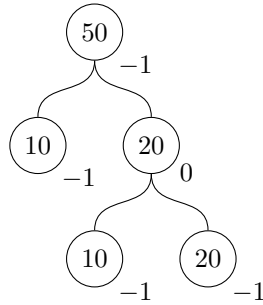
2.3 Trees

Figure 4: This syntax is so weird

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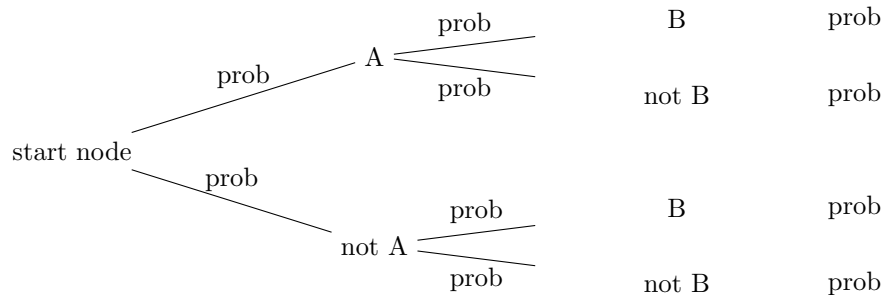
2.4 Probability Tree

Figure 5: Angie's pretty tree

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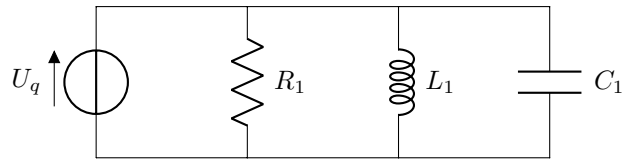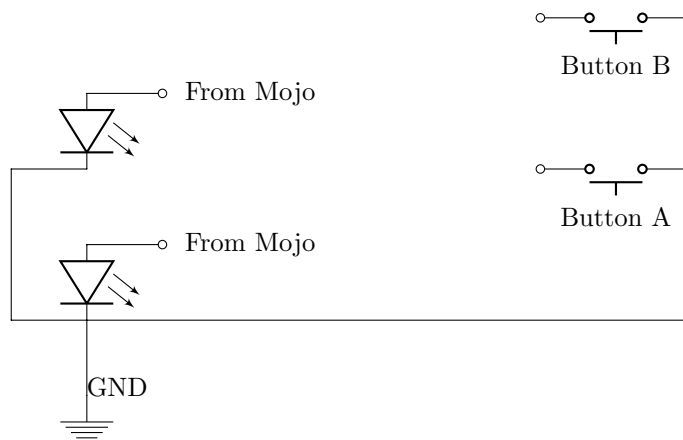
2.5 Circuits

Figure 6: First Circuit

2.6 More Circuits!

3   Appendix

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A Bibliography

References

Hunter, Isabel. "Inside the horrific unregulated sweatshops of Bangladesh". In: *Daily Mail* (Nov. 2015). URL: http://www.dailymail.co.uk/news/article-3339578/Crammed-squalid-factories-produce-clothes-West-just-20p-day-children-forced-work-horrific-unregulated-workshops-Bangladesh.html (visited on 06/24/2016).