Using the IEEEtran.cls Document Class
Andreas Klappenecker

Abstract—We describe a simple quantum algorithm, which allows to determine the number of legs of an elephant with high probability.

Index Terms—Elephants, legs, quantum mechanics

I. INTRODUCTION

Your article should give a well-motivated and clear exposition of your project topic. In particular, you should take great care in preparing the material bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla.

\[
\frac{1}{\sqrt{2}} |00\rangle + \frac{1}{\sqrt{2}} |11\rangle
\]  

A detailed discussion of all the possibilities bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla, does get you nice results.

Moreover, bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla. Whereas, bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla. This means that bla bla bla bla bla bla bla bla bla bla. Therefore, we get bla bla bla bla bla bla bla bla bla bla.

We initialize the register in the state

\[
\frac{1}{\sqrt{2}} |00\rangle + \frac{1}{\sqrt{2}} |11\rangle
\]

We can refer to this state by (1), and \LaTeX{} takes care of the numbering.

II. THE DEEPER BLA BLA

A detailed study shows that bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla. On the other hand, we get bla bla bla bla bla bla bla bla bla bla. Whereas, bla bla bla bla bla bla bla bla bla bla. This means that bla bla bla bla bla bla bla bla bla bla. Therefore, we get bla bla bla bla bla bla bla bla bla bla.

III. FIGURES

A picture says more than a thousand words. Indeed, we can easily prove this by counting the number of legs of the elephant shown in Figure 1. Quantum mechanics is just as easy to understand, except that we deal now with several such elephants in superposition.

Fig. 1. Who is visually challenged?

IV. CONCLUSIONS

We have investigated the superposition of legs bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla bla. Please see [1] for more details.

REFERENCES