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**CAPITALIZED PAPER TITLE**

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**Abstract:** Your abstract should be located here.

**Keywords:** keyword1, keyword2, keyword3

# **Introduction**

Write introduction here.

# **Text**

Your text goes here. The nonlinear Schrödinger equation (NLSE) describes many physical phenomena and comprehensive applications of this equation are reviewed in the papers [1,2]. Its importance comes from two of the most basic processes in a physical system, namely dispersion and nonlinearity. The solutions of the NLSE are balanced due to competing forces of nonlinearity and dispersion. The typical example of such a balanced solution is soliton. An exact solution of the pure initial value problem of the NLSE was given in 1971 by Zakharov and Shabat [3] using the inverse scattering method, provided that the initial condition vanishes for sufficiently large |x|. For more general initial conditions the exact solutions of the NLSE are unknown. Therefore numerical analysists have been dealt with finding the numerical solutions of the NLSE for various boundary-initial conditions [4].

Consider the NLSE with cubic nonlinearity

|  |  |  |
| --- | --- | --- |
|  |  | (1) |

where and is the partial derivative of with recpect to the time variable .

Please follow the reference style.

The BOOKLET style[5].

The INCOLLECTION style [6].

The MASTERSTHESIS style [7].

The MANUAL style [8].

The PROCEEDINGS style[ 9].

The PHDTHESIS style[ 10].

The UNPUBLISHED style [11].

The INBOOK style [12].

The TECHREPORT style [13].

The INPROCEEDINGS style [14].

The MISC style[ 15].

**Theorem 1:** Theorem text[[2]](#footnote-2) goes here.

**Lemma 2:** Lemma text goes here.

The results from experiments using different materials are reported in Table 1.

|  |  |  |
| --- | --- | --- |
| **Table 1:** Write caption of the table here | | |
| One | Two | Three |
| 1.234 | 334.212 | 212.343 |

The details of the template can be seen in Fig 1.

|  |
| --- |
|  |
| Figure 1. Details of the template |

# **Conclusion**

Your conclusions go here.

# **Acknowledgements**

# The authors would like to thank ...\\\\\\\\

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