



Figure 1: My Figure

2 My Results

See Figure 1 on page 2.

One Thought Some formulas:

$$(a + b)^2 = a^2 + 2ab + b^2$$

$$SUM = SUM = S \cdot U \cdot M$$

No new paragraph (no indentation).

Another Thought The Gauss formula $\sum_{i=1}^n i = \frac{n(n+1)}{2}$ displayed:

$$\sum_{i=1}^n i = \frac{n(n+1)}{2}$$

Now a new paragraph (indentation): Einstein says $E = mc^2$ (“Energy equals mass times the square of the speed of light (c)”).

Some Typography St. John vs. St. John. Fig. 5 vs. Fig. 5. Vice-president. Monday–Tuesday. Wait — I have an idea. "Wrong Quote" vs. “Correct Quote”.

3 Some Programs

See Algorithm 1.

References

- [1] Wolfgang Ahrendt et al., eds. *Deductive Software Verification — The KeY Book: From Theory to Practice*. Vol. 10001. Lecture Notes in Computer Science. Springer, Berlin, 2018. DOI: [10.1007/978-3-319-49812-6](https://doi.org/10.1007/978-3-319-49812-6).
- [2] Mike Barnett, K. Rustan M. Leino, and Wolfram Schulte. “The Spec# Programming System: An Overview”. In: *Construction and Analysis of Safe, Secure, and Interoperable Smart Devices (CASSIS 2004), Marseille, France, March 10-14, 2004*. Ed. by Mihaela Bobaru et al. Vol. 3362. Lecture Notes in Computer Science. Springer, Berlin, Germany, 2004, pp. 49–69. DOI: [10.1007/978-3-540-30569-9_3](https://doi.org/10.1007/978-3-540-30569-9_3).
- [3] David R. Cok. “OpenJML: JML for Java 7 by Extending OpenJDK”. In: *NASA Formal Methods (NFM 2011), Pasadena, CA, USA, April 18–20, 2011*. Ed. by Mihaela Bobaru et al. Vol. 6617. Lecture Notes in Computer Science. Springer, Berlin, Germany, 2011, pp. 472–479. DOI: [10.1007/978-3-642-20398-5_35](https://doi.org/10.1007/978-3-642-20398-5_35).
- [4] K. Rustan M. Leino. “Dafny: An Automatic Program Verifier for Functional Correctness”. In: *Logic Programming and Automated Reasoning (LPAR-16), Dakar, Senegal, April 25–May 1, 2010*. Ed. by Edmund M. Clarke and Andrei Voronkov. Vol. 6355. Lecture Notes in Computer Science. Springer, Berlin, Germany, 2010, pp. 348–370. DOI: [10.1007/978-3-642-17511-4_20](https://doi.org/10.1007/978-3-642-17511-4_20).
- [5] Wolfgang Schreiner. “Validating Mathematical Theories and Algorithms with RISCAL”. In: *CICM 2018, 11th Conference on Intelligent Computer Mathematics, Hagenberg, Austria, August 13–17*. Ed. by F. Rabe et al. Vol. 11006. Lecture Notes in Computer Science/Lecture Notes in Artificial Intelligence. Springer, Berlin, 2018, pp. 248–254. DOI: [10.1007/978-3-319-96812-4_21](https://doi.org/10.1007/978-3-319-96812-4_21).
- [6] Wolfgang Schreiner, Alexander Brunhuemer, and Christoph Fürst. “Teaching the Formalization of Mathematical Theories and Algorithms via the Automatic Checking of Finite Models”. In: *Post-Proceedings ThEdu’17, Theorem proving components for Educational software, Gothenburg, Sweden, August 6, 2017*. Ed. by Pedro Quaresma and Walther Neuper. Vol. 267. EPTCS. 2018, pp. 120–139. DOI: [10.4204/EPTCS.267.8](https://doi.org/10.4204/EPTCS.267.8).