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| Variable | Speed (rpm) | Power (kW) |
|----------|-------------|------------|
| x        | 10          | 8.6        |
| y        | 15          | 12.4       |
| z        | 20          | 15.3       |

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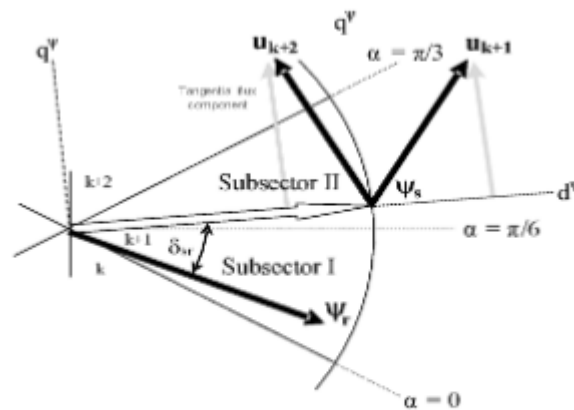


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- [4] L. Liu and H. Miao, "A specification-based approach to testing polymorphic attributes," in Formal Methods and Software Engineering, J. Davies, W. Schulte, and M. Barnett, Eds., vol. 3308. Berlin, Germany: Springer, 2004, pp. 306-319, doi: 10.1007/978-3-540-30482-1\_28.

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- [6] Y. Li and W. Chu, "Implementation of single precision floating point square root on FPGAs," in Proc. 5th Annual IEEE Symp. on Field-Programmable Custom Computing Machines, Napa, CA, USA, 1997, pp. 226-232, doi: 10.1007/978-3-540-30482-1\_24.

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[9] J. Ward and J. Peppard, Strategic Planning for Information Systems, 4th ed. West Sussex, U.K.: John Wiley & Sons Ltd., 2007, pp. 102-104.

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Edited book:

- [13] A. Editor and B. Editor, Eds., Title of Book. City, Country: Publisher, Year.  
[14] F. Zade and A. Talenta, Eds., Advanced Fuzzy Control System. Yogyakarta, Indonesia: UAD Press, 2010.

Chapter in a book:

- [15] A. Author and B. Author, "Title of chapter," in Title of Book, xth ed., A. Editor and B. Editor, Eds. City, Country: Publisher, Year, pp. xxx-xxx..  
[16] M. Arkanuddin, A. Fadlil, and T. Sutikno, "A neuro-fuzzy control for robotic application based on microcontroller," in Advanced Control for Industrial Application, 2nd ed., R. Krishnan and F. Blaabjerg, Eds. London, U.K.: Academic Press, 2006, pp. 165-178.

Translated Books.

- [17] A. Original-Author, Title of Book, A. Translator, Transl. City, Country: Publisher, Year.  
[18] Pabla, Sistem Distribusi Tenaga Listrik, A. Hadi, Transl. Jakarta, Indonesia: Erlangga, 2007.

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- [19] A. Author, "Title of thesis," Ph.D. dissertation or M.S. thesis, Dept. Name, University Name, City, Country, Year.  
[20] M. Rusdi, "A novel fuzzy ARMA model for rain prediction in Surabaya," Ph.D. dissertation, Postgraduate Program, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia, 2009.

**If your references are from Paten:**

- [21] A. Author and B. Author, "Title of patent," Country Patent Number, Year.  
[22] L. P. Ahmad and A. Hooper, "The lower switching losses method of space vector modulation," CN Patent 103045489, 2007.

**If your references are from Standards:**

- [23] Standards Body, Title of Standard, Standard Number, Year.

- [24] IEEE Standards Association, IEEE Standard VHDL Synthesis Packages, IEEE Standard 1076.3-2009, 2009.

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- [25] A. Author and B. Author, "Title of report," Organization, Tech. Rep. xx, Year.  
 [26] S. James and D. Whales, "The framework of electronic government," U.S. Dept. of Information Technology, Tech. Rep. 63, 2005.

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- [27] A. Author, "Title of article," Title of Newspaper, City, State/Country, Month day, year, pp. xx-xx.  
 [28] J. Smith, "Artificial intelligence transforms higher education," The New York Times, New York, NY, USA, Mar. 12, 2024, p. A5.

Newspaper article (online)

- [29] A. Author, "Title of article," Title of Newspaper, Month day, year. [Online]. Available: URL. [Accessed: Month day, year].  
 [30] R. Lee, "New data regulations reshape digital research," The Washington Post, Feb. 8, 2025. [Online]. Available: <https://www.washingtonpost.com/example>. [Accessed: Mar. 14, 2026].

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Dataset without DOI

- [31] A. Author and B. Author, Title of Dataset, version. Publisher, Year.  
 [32] J. Doe and R. Brown, Student Performance Prediction Dataset, ver. 2.0. Open Education Lab, 2023.

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- [33] A. Author and B. Author, Title of Dataset, version, Publisher, Year. doi: xxx.  
 [34] F. Maxwell Harper and J. A. Konstan, MovieLens 20M Dataset, GroupLens Research, 2015. doi: 10.1145/2827872.

Dataset accessed online

- [35] A. Author and B. Author, Title of Dataset, version. Publisher, Year. [Online]. Available: URL. [Accessed: Month day, year].  
 [36] Kaggle, Credit Card Fraud Detection Dataset. Kaggle, 2024. [Online]. Available: <https://www.kaggle.com/example>. [Accessed: Mar. 14, 2026].

#### **If your references are from Dataset Repository**

- [37] A. Author, "Title of dataset page," Name of Repository, Publisher/Organization, Year. [Online]. Available: URL. [Accessed: Month day, year].  
 [38] UCI Machine Learning Repository, "Online Retail Data Set," University of California, Irvine, 2019. [Online]. Available: <https://archive.ics.uci.edu/ml/datasets/Online+Retail>. [Accessed: Mar. 14, 2026].

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