

Bibliography

- [1] Oluwagbemiga Shoewu and OA Idowu. Development of attendance management system using biometrics. *The Pacific Journal of Science and Technology*, 13(1):300–307, 2012.
- [2] CO Akinduyite, AO Adetunmbi, OO Olabode, and EO Ibidunmoye. Fingerprint-based attendance management system. *Journal of Computer Sciences and Applications*, 1(5):100–105, 2013.
- [3] Murizah Kassim, Hasbullah Mazlan, Norliza Zaini, and Muhammad Khidhir Salleh. Web-based student attendance system using rfid technology. In *2012 IEEE Control and System Graduate Research Colloquium*, pages 213–218. IEEE, 2012.
- [4] Robi Polikar. The engineer’s ultimate guide to wavelet analysis—the wavelet tutorial. available at [http://www. public. iastate. edu/~rpolikar/WAVELETS/WTtutorial. html](http://www.public.iastate.edu/~rpolikar/WAVELETS/WTtutorial.html), 1996.
- [5] Amara Graps. An introduction to wavelets. *IEEE computational science and engineering*, 2(2):50–61, 1995.
- [6] Michael E Osadebey and Apostolos A Georgakis. Spread spectrum wavelet watermarking system. *Department of Applied Physics and Electronics, Umeå University, Sweden. ISSN*, pages 1652–8441.
- [7] Continuous and discrete wavelet transforms. *MATLAB & Simulink*.
- [8] Martin Vetterli and Cormac Herley. Wavelets and filter banks: Theory and design. *IEEE transactions on signal processing*, 40(ARTICLE):2207–2232, 1992.
- [9] Steven L Brunton and J Nathan Kutz. *Data-driven science and engineering: Machine learning, dynamical systems, and control*. Cambridge University Press, 2019.
- [10] Ferda Ernawan, Nur Azman Abu, and Nanna Suryana. Integrating a smooth psychovisual threshold into an adaptive jpeg image compression. *JCP*, 9(3):644–653, 2014.
- [11] Tapio Saramaki and Robert Bregovic. Multirate systems and filterbanks. In *Multirate systems: design and applications*, pages 27–85. IGI Global, 2002.

- [12] Arne Jensen and Anders la Cour-Harbo. *Ripples in mathematics: the discrete wavelet transform*. Springer Science & Business Media, 2001.
- [13] Samuel Lukas, Aditya Rama Mitra, Ririn Ikana Desanti, and Dion Krisnadi. Student attendance system in classroom using face recognition technique. In *2016 International Conference on Information and Communication Technology Convergence (ICTC)*, pages 1032–1035. IEEE, 2016.
- [14] Discrete cosine transform. *MATLAB & Simulink*.
- [15] Syed Ali Khayam. The discrete cosine transform (dct): theory and application. *Michigan State University*, 114:1–31, 2003.
- [16] Andreas Stockel. Discrete fourier transformation: Applications, Oct 2020.
- [17] Machine learning. *DeepAI*, May 2019.
- [18] Deepack Jakhar and Ishmeet Kaur. Artificial intelligence, machine learning and deep learning: definitions and differences. *Clinical and experimental dermatology*, 45(1):131–132, 2020.
- [19] Ethem Alpaydin. *Introduction to machine learning*. The MIT Press, 2020.
- [20] Richard S Sutton and Andrew G Barto. *Reinforcement learning: An introduction*. MIT press, 2018.
- [21] Rohith Gandhi. Support vector machine—introduction to machine learning algorithms. *towards data science*, 2018.
- [22] Robert Berwick. An idiot’s guide to support vector machines (svms). *Retrieved on October, 21:2011*, 2003.
- [23] David Frank and Duane Q. Nykamp. An introduction to vectors, 2020.
- [24] CK-12 Foundation. Two-dimensional vectors, 2020.
- [25] M Ransom. Unit vectors.
- [26] Dot product - distance between point and a line. *Brilliant.org*.
- [27] Tom Howley and Michael G. Madden. The genetic kernel support vector machine: Description and evaluation. *Artificial Intelligence Review*, 24(3-4):379–395, 2005.

- [28] M Mozammel Hoque Chowdhury and Amina Khatun. Image compression using discrete wavelet transform. *International Journal of Computer Science Issues (IJCSI)*, 9(4):327, 2012.
- [29] Mozhde Elahi and Mahsa Gharaee. Performance comparison for face recognition using pca and dct. *Journal of Electrical and Electronic Engineering*, 3(2-1):62–65, 2015.
- [30] Samuel Lukas, Aditya Rama Mitra, Ririn Ikana Desanti, and Dion Krisnadi. Implementing discrete wavelet and discrete cosine transform with radial basis function neural network in facial image recognition. *Journal of Image and Graphics*, 4(1), 2016.
- [31] Joseph Redmon and Ali Farhadi. Yolov3: An incremental improvement. *arXiv preprint arXiv:1804.02767*, 2018.
- [32] Filip Wasilewski. 2d forward and inverse discrete wavelet transform. *2D Forward and Inverse Discrete Wavelet Transform - PyWavelets Documentation*.
- [33] F. Pedregosa, G. Varoquaux, A. Gramfort, V. Michel, B. Thirion, O. Grisel, M. Blondel, P. Prettenhofer, R. Weiss, V. Dubourg, J. Vanderplas, A. Passos, D. Cournapeau, M. Brucher, M. Perrot, and E. Duchesnay. Scikit-learn: Machine learning in Python. *Journal of Machine Learning Research*, 12:2825–2830, 2011.
- [34] Gidudu Anthony, Hulley Gregg, and Marwala Tshilidzi. Image classification using svms: one-against-one vs one-against-all. *arXiv preprint arXiv:0711.2914*, 2007.
- [35] 1.4. support vector machines. *scikit*.
- [36] Raoof Gholami and Nikoo Fakhari. Chapter 27 - support vector machine: Principles, parameters, and applications. In Pijush Samui, Sanjiban Sekhar, and Valentina E. Balas, editors, *Handbook of Neural Computation*, pages 515 – 535. Academic Press, 2017.
- [37] Rbf svm parameters. *scikit*.
- [38] Chih-Chung Chang and Chih-Jen Lin. Libsvm: A library for support vector machines. *ACM transactions on intelligent systems and technology (TIST)*, 2(3):1–27, 2011.

[39] Svm tie breaking example. *scikit*.

