

Three Basics Way to Design A Circuit

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Abstract- We will show you an introduction of what basics designing electronic circuits depend on is it depend on analog circuits or digital circuits or programing, we will show that in some details to help you select the field which you want to get deep in with simple information with examples to know the way of development to have a good amount of knowledge about design to help you to continue with no regret

Keywords- Basics, Designing, Electronic circuits, Introduction, Examples

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REFERENCES

- Ahmed, Ali, Abdelhameed Ibrahim, and Sherif Hussein. "Detection of palm tree pests using thermal imaging: A review." *Machine Learning Paradigms: Theory and Application* (2019): 253-270.
- Guan, Bo, Dawen Xu, and Qian Li. "An efficient commutative encryption and data hiding scheme for HEVC video." *IEEE Access* 8 (2020): 60232-60245.
- Ibrahim, Abdelhameed, and El-Sayed M. El-kenawy. "Image Segmentation Methods Based on Superpixel Techniques: A Survey." *Journal of Computer Science and Information Systems* 15, no. 3 (2020).
- Ibrahim, Abdelhameed, and El-Sayed M. El-kenawy. "Applications and Datasets for Superpixel Techniques: A Survey." *Journal of Computer Science and Information Systems* 15, no. 3 (2020).
- Eid, Marwa M., El-Sayed M. El-kenawy, and Abdelhameed Ibrahim. "An Advanced Patient Health Monitoring System." *Journal of Computer Science and Information Systems* 17, no. 11 (2021).
- El-kenawy, El-Sayed M., Marwa M. Eid, and Abdelhameed Ibrahim. "Anemia Estimation for COVID-19 Patients Using A Machine Learning Model." *Journal of Computer Science and Information Systems* 17, no. 11 (2021).
- El-kenawy, El-Sayed M., Marwa M. Eid, and Abdelhameed Ibrahim. "Automatic Identification from Noisy Microscopic Images." *Journal of Computer Science and Information Systems* 17, no. 11 (2021).
- El-Kenawy, E. S. M. T., El-Desoky, A. I., & Sarhan, A. M. (2014). A bidder strategy system for online auctions trust measurement. *International Journal of Strategic Information Technology and Applications (IJSITA)*, 5(3), 37-47.
- Hassib, E. M., El-Desouky, A. I., Labib, L. M., & El-kenawy, E. S. M. (2019). WOA+ BRNN: An imbalanced big data classification framework using Whale optimization and deep neural network. *Soft Computing*, 1-20.
- El-kenawy, E. S. M., El-Desoky, A. I., & Al-rahawawy, M. F. (2012). Distributing Graphic Rendering using Grid Computing with Load Balancing. *International Journal of Computer Applications*, 975, 888.
- El-kenawy, E. S. M. T. (2019). A Machine Learning Model for Hemoglobin Estimation and Anemia Classification. *International Journal of Computer Science and Information Security (IJCSIS)*, 17(2).
- H. Hassan, A. I. El-Desouky, A. Ibrahim, E. M. El-kenawy and R. Arnous, (2020) "Enhanced QoS-based Model for Trust Assessment in Cloud Computing Environment," in *IEEE Access*. doi: 10.1109/ACCESS.2020.2978452
- El-Knawy, E. S. M. T., & El-Desoky, A. I. (2016). TRUST MEASUREMENT FOR ONLINE AUCTIONS: PROPOSAL OF NEW MODEL. *INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL*, 12(2), 385-394.
- El-sayed, M., El-Desoky, A. I., & Sarhan, A. M. (2014). A bidder behavior learning intelligent system for trust measurement. *International Journal of Computer Applications*, 89(8).
- Arnous, R., & El-Sayed Towfek, M. (2019). El-kenawy and M Saber. A Proposed Routing Protocol for Mobile Ad Hoc Networks. *International Journal of Computer Applications*, 178(41), 26-30.
- El-Sayed Towfek M El-kenawy. Trust Model for Dependable File Exchange in Cloud Computing. *International Journal of Computer Applications* 180(49):22-27, June 2018.
- El-Sayed Towfek M El-kenawy, M Saber and Reham Arnous. An Integrated Framework to Ensure Information Security Over the Internet. *International Journal of Computer Applications* 178(29):13-15, July 2019
- El-kenawy, E. S. M. T. (2018). Solar Radiation Machine Learning Production Depend on Training Neural Networks with Ant Colony Optimization Algorithms. *IJARCCCE*, 7(5). doi: DOI10.17148/IJARCCCE.2018.751
- E. M. El-Kenawy, M. M. Eid, M. Saber and A. Ibrahim, "MbGWO-SFS: Modified Binary Grey Wolf Optimizer Based on Stochastic Fractal Search for Feature Selection," in *IEEE Access*, vol. 8, pp. 107635-107649, 2020, doi: 10.1109/ACCESS.2020.3001151.
- E.-S. El-Kenawy and M. Eid, "Hybrid gray wolf and particle swarm optimization for feature selection," *INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL*, vol. 16, no. 3, pp. 831-844, 2020.

- El-Kenawy, E. S. M., Eid, M., & Ismail, A. H. A New Model for Measuring Customer Utility Trust in Online Auctions. *International Journal of Computer Applications*, 975, 8887.
- E. M. El-Kenawy and M. Saber , "Design and implementation of accurate frequency estimator depend on deep learning" *International Journal of Engineering & Technology (IJET)*, vol. 9 , Issue 2, PP. 367-377 , 2020 , DOI: 10.14419/ijet.v9i2.30473
- El-kenawy, E. S. T., El-Desoky, A. I., & Al-rahamawy, M. F. (2012). Extended max-min scheduling using petri net and load balancing. *Int. J. Soft Comput. Eng.(IJSCE)*, 2(4), 198-203.
- Hussien, Hussien Rezk, El-Sayed M. El-Kenawy, and Ali I. El-Desouky. "EEG Channel Selection Using A Modified Grey Wolf Optimizer." *European Journal of Electrical Engineering and Computer Science* 5, no. 1 (2021): 17-24.
- Ibrahim, Abdelhameed, and A. Tharwat. "Biometric authentication methods based on ear and finger knuckle images." *International Journal of Computer Science Issues (IJCSI)* 11, no. 3 (2014): 134.
- Ibrahim, Abdelhameed, Tarek Gaber, Takahiko Horiuchi, Vaclav Snasel, and Aboul Ella Hassanien. "Human thermal face extraction based on superpixel technique." In *The 1st International Conference on Advanced Intelligent System and Informatics (AIS2015)*, November 28-30, 2015, Beni Suef, Egypt, pp. 163-172. Springer, Cham, 2016.
- Ibrahim, Abdelhameed, Mostafa Noshay, Hesham Arafat Ali, and Mahmoud Badawy. "PAPSO: A power-aware VM placement technique based on particle swarm optimization." *IEEE Access* 8 (2020): 81747-81764.
- Ibrahim, Abdelhameed, Takahiko Horiuchi, and Shoji Tominaga. "Illumination-invariant representation for natural color images and its application." In *2012 IEEE Southwest Symposium on Image Analysis and Interpretation*, pp. 157-160. IEEE, 2012.
- Saber, Mohamed, and Marwa M. Eid. "Low power pseudo-random number generator based on lemniscate chaotic map." *International Journal of Electrical & Computer Engineering (2088-8708)* 11, no. 1 (2021).
- Eid, Marwa M., and Yasser H. Elawady. "Efficient Pneumonia Detection for Chest Radiography Using ResNet-Based SVM." *European Journal of Electrical Engineering and Computer Science* 5, no. 1 (2021): 1-8.
- Khadija Shazly, Marwa Eid and Hanaa Salem. An Efficient Hybrid Approach for Twitter Sentiment Analysis based on Bidirectional Recurrent Neural Networks. *International Journal of Computer Applications* 175(17):32-36, September 2020