

REFERENCES

1. Chathuranga Hasantha, A Systematic review of code smell detection approaches, 2021
2. Marcel Steinbeck , An Arc-Based Approach for Visualization of Code Smells
3. Nabilah - Controlling Software Evolution Process Using Code Smell Visualization – 2019
4. Karim, Visual Detection of Design Anomalies - 2008
5. M. Fowler and K. Beck. Refactoring: improving the design of existing code. Addison-Wesley Professional, 1999.
6. Haris Mumtaz- Detecting Bad Smells in Software Systems with Linked Multivariate Visualizations - 2018
7. Lanza, M., & Marinescu, R. (2007). Object-oriented metrics in practice: using software metrics to characterize, evaluate, and improve the design of object-oriented systems. Springer Science & Business Media.
8. Hammad, Maen & Alsofriya, Sabah. (2019). Visualizing Code Bad Smells. International Journal of Advanced Computer Science and Applications. 10. 10.14569/IJACSA.2019.0100536.
9. Emden, Eva & Moonen, Leon. (2002). Java Quality Assurance by Detecting Code Smells.f
10. Emerson Murphy-Hill and Andrew P. Black. 2010. An interactive ambient visualization for code smells. In Proceedings of the 5th international symposium on Software visualization (SOFTVIS '10). Association for Computing Machinery, New York, NY, USA, 5–14. <https://doi.org/10.1145/1879211.1879216>
11. Yamashita, Aiko. (2012). Assessing the capability of code smells to support software maintainability assessments: Empirical inquiry and methodological approach.
12. M.Lanza, R.Marinescu, Object-Oriented Metrics in Practice – Using Metrics to Characterize, Evaluate, and Improve the Design of Object-Oriented Systems,

Springer – Verlag, Berlin, Heidelberg, New York, Germany, 2006, ISBN 978-3-540-24429-5

13. Schumacher, Jan & Zazworka, Nico & Shull, Forrest & Seaman, Carolyn & Shaw, Michele. (2010). Building empirical support for automated code smell detection. ESEM 2010 - Proceedings of the 2010 ACM-IEEE International Symposium on Empirical Software Engineering and Measurement. 10.1145/1852786.1852797.
14. Mäntylä, Mika & Vanhanen, Jari & Lassenius, Casper. (2004). Bad smells - Humans as code critics. IEEE International Conference on Software Maintenance, ICSM. 399 - 408. 10.1109/ICSM.2004.1357825.
15. Li, Wei & Shatnawi, Raed. (2007). An empirical study of the bad smells and class error probability in the post-release object-oriented system evolution. Journal of Systems and Software. 80. 1120-1128. 10.1016/j.jss.2006.10.018.
16. Dhambri, Karim & Sahraoui, Houari & Poulin, Pierre. (2008). Visual Detection of Design Anomalies. Proceedings of the European Conference on Software Maintenance and Reengineering, CSMR. 279-283. 10.1109/CSMR.2008.4493326.
17. Carneiro, Glauco & Silva, Marcos & Mara, Leandra & Figueiredo, Eduardo & Sant'Anna, Claudio & Garcia, Alessandro & Mendonça, Manoel. (2010). Identifying Code Smells with Multiple Concern Views. 128 - 137. 10.1109/SBES.2010.21.
18. Schumacher, J., Zazworka, N., Shull, F., Seaman, C., & Shaw, M. (2010, September). Building empirical support for automated code smell detection. In Proceedings of the 2010 ACM-IEEE international symposium on empirical software engineering and measurement (pp. 1-10).
19. Ghoniem, Mohammad & Fekete, Jean-Daniel & Castagliola, Philippe. (2005). On the Readability of Graphs Using Node-Link and Matrix-Based Representations: A Controlled Experiment and Statistical Analysis. Information Visualization Journal. 4. 10.1057/palgrave.ivs.9500092.
20. A. R. Teyseyre and M. R. Campo, "An Overview of 3D Software Visualization," in IEEE Transactions on Visualization and Computer Graphics, vol. 15, no. 1, pp. 87-105, Jan.-Feb. 2009, doi: 10.1109/TVCG.2008.86.

21. Graham, Hamish, Hong Yul Yang and Rebecca Berrigan. "A Solar System Metaphor for 3D Visualisation of Object Oriented Software Metrics." InVis.au (2004).
22. Emerson Murphy-Hill and Andrew P. Black. 2010. An interactive ambient visualization for code smells. In Proceedings of the 5th international symposium on Software visualization (SOFTVIS '10). Association for Computing Machinery, New York, NY, USA, 5–14. DOI:<https://doi.org/10.1145/1879211.1879216>
23. I. d. J. Silva, M. S. R. Santos, L. L. Ramos and L. P. d. S. Carvalho, "VISMELLS: An Interactive Visualization for Identifying and Evaluating the Effects of Code Smells on Software Projects," 2018 XLIV Latin American Computer Conference (CLEI), 2018, pp. 40-49, doi: 10.1109/CLEI.2018.00015.
24. Nabilah and Wikan Danar Sunindyo. 2019. Controlling Software Evolution Process Using Code Smell Visualization. In Proceedings of the 2nd International Conference on Control and Computer Vision (ICCCV 2019). Association for Computing Machinery, New York, NY, USA, 51–54. <https://doi.org/10.1145/3341016.3341026>
25. Katbi, A., Hammad, M. and Elmedany, W. (2020), Multi-view city-based approach for code-smell evolution visualisation. IET Softw., 14: 506-516. <https://doi.org/10.1049/iet-sen.2020.0010>
26. Mumtaz, Haris, Fabian Beck, and Daniel Weiskopf. "Detecting bad smells in software systems with linked multivariate visualizations." 2018 IEEE Working Conference on Software Visualization (VISSOFT). IEEE, 2018.
27. Wettel, Richard, and Michele Lanza. "Visualizing software systems as cities." 2007 4th IEEE International Workshop on Visualizing Software for Understanding and Analysis. IEEE, 2007.
28. Hammad, Maen, and Sabah Alsofriya. "Visualizing code bad smells." International Journal of Advanced Computer Science and Applications 10.5 (2019).
29. Misiak, Martin & Schreiber, Andreas & Fuhrmann, Arnulph & Zur, Sascha & Seider, Doreen & Nafeie, Lisa. (2018). IslandViz: A Tool for Visualizing

- Modular Software Systems in Virtual Reality. 112-116.
10.1109/VISSOFT.2018.00020.
30. Merino, Leonel & Fuchs, Johannes & Blumenschein, Michael & Anslow, Craig & Ghafari, Mohammad & Nierstrasz, Oscar & Behrisch, Michael & Keim, Daniel. (2018). On the Impact of the Medium in the Effectiveness of 3D Software Visualizations. 10.1109/VISSOFT.2017.17.