A Survey on Abstract Data Types

Anthony Hunt

February 8, 2025

References

[1] *C++ reference*. 2024. URL: https://en.cppreference.com/w/ (visited on 02/07/2025).

[2] Wikipedia contributors. *Type class — Wikipedia*. 2025. URL: https://en.wikipedia.org/wiki/Type_class (visited on 02/07/2025).

[3] *Event-B and Rodin Documentation Wiki*. 2024. URL: https://wiki.event-b.org/index.php/Main_Page (visited on 02/07/2025).

[4] A. Hsu. *Is APL Dead?* 2020. URL: https://www.sacrideo.us/is-apl-dead/ (visited on 02/07/2025).

[5] Kenneth E. Iverson. "Notation as a tool of thought". In: *Commun. ACM* 23.8 (Aug. 1980), pp. 444–465. ISSN: 0001-0782. DOI: 10.1145/358896.358899. URL: https://doi.org/10.1145/358896.358899.

[6] S. Klabnik and C. Nichols. *The Rust Programming Language, 2nd Edition*. No Starch Press, 2023. ISBN: 9781718503106. URL: https://books.google.ca/books?id=SE2GEAAAQBAJ.

[7] *LearningAPL*. 2024. URL: https://xpqz.github.io/learnapl/intro.html (visited on 02/07/2025).

[8] M. Lipovaca. *Learn You a Haskell for Great Good!: A Beginner's Guide*. No Starch Press Series. No Starch Press, 2011. ISBN: 9781593272838. URL: https://books.google.ca/books?id=R2RbBAAAQBAJ.

[9] J.J. Martin. *Data Types and Data Structures*. Prentice-Hall International series in personal computing. Prentice-Hall International, 1986. ISBN: 9780131959835. URL: https://books.google.ca/books?id=554ZAQAAIAAJ.

[10] *OMG Unified Modeling Language*. Version 2.5.1. Object Management Group. 2017. URL: https://www.omg.org/spec/UML/2.5.1/PDF (visited on 02/07/2025).

[11] A. Rauschmayer. *JavaScript metaprogramming with the 2022-03 decorators API*. 2024. URL: https://2ality.com/2022/10/javascript-decorators.html (visited on 02/07/2025).

[12] D. Rosenwasser. *Announcing Typescript 5.0*. 2024. URL: https://devblogs.microsoft.com/typescript/announcing-typescript-5-0/#decorators (visited on 02/07/2025).

[13] *The Dafny Programming and Verification Language*. 2024. URL: https://dafny.org/ (visited on 02/07/2025).

[14] *The Python Language Reference (3.13.2)*. Python Software Foundation. 2025. URL: https://docs.python.org/3/reference/ (visited on 02/07/2025).

[15] *The Rust Reference*. 2024. URL: https://doc.rust-lang.org/reference/ (visited on 02/07/2025).

[16] P.G. Thomas, H. Robinson, and J. Emms. *Abstract Data Types: Their Specification, Representation, and Use*. Oxford applied mathematics and computing science series. Clarendon Press, 1988. ISBN: 9780198596639. URL: https://books.google.ca/books?id=u61QAAAAMAAJ.

[17] *Type — HaskellWiki*. HaskellWiki. 2024. URL: https://wiki.haskell.org/index.php?title=Type (visited on 02/07/2025).

[18] *Typeclassopedia — HaskellWiki*. HaskellWiki. 2022. URL: https://wiki.haskell.org/index.php?title=Typeclassopedia (visited on 02/07/2025).

[19] *Typescript Documentation*. 2024. URL: https://www.typescriptlang.org/docs/ (visited on 02/07/2025).

[20]   *Welcome to Agda's documentation!* Version 2.7.0.1. 2025. URL: `https://agda.readthedocs.io/en/v2.7.0.1/#` (visited on 02/07/2025).