

## 参考文献

- [1] 青山幹雄: コンポーネント指向ソフトウェア開発方法論, 情報処理学会ソフトウェア工学研究会資料, No.111-5, pp.33-40 (1996).
- [2] Basili, V. R. and Melo, W. L. : A Validation of Object-Oriented Design Metrics as Quality Indicators, *IEEE Transactions on Software Engineering*, Vol. 22, No. 10, pp. 751–761 (1996).
- [3] Batini, C. and Lenzerini, M. : A Methodology for Data Schema Integration in the Entity Relationship Model, *IEEE Transactions on Software Engineering*, Vol.SE-10, No.6, pp. 650–664 (1994).
- [4] Boasson, M.: The Artistry of Software Architecture, *IEEE Software*, November, pp. 13–16 (1995).
- [5] Boehm, B. W. : *Software Engineering Economics*. Prentice Hall (1981).
- [6] Bollinger, T. B. and Pfleeger, S. L. : Economics of Reuse: Issues and Alternatives, *Information and Software Technology*, Vol. 32, No.10, pp. 643–652 (1990).
- [7] Booch, G. : *Object-Oriented Analysis and Design with Applications*, second edition, Benjamin Cummings (1994).
- [8] Chidamber, S. R. and Kemerer, C. F. : A Metrics Suite for Object Oriented Design, *IEEE Transactions on Software Engineering*, Vol.20, No.6, pp. 476–493 (1994).

- [9] Coad, P. and Yourdon, E. : *Object-Oriented Analysis*, second edition, Prentice Hall (1991).
- [10] Coad, P. : Object-Oriented Patterns, *Communications of ACM*, Vol. 35, No. 9, pp. 152–159 (1992).
- [11] Coad, P., North, D. and Mayfield, M. : *Object Models –Strategies, Patterns, & Applications–*, Yourdon Press Computer Series, Prentice Hall (1995).
- [12] Davis, A. M. : A Strategy for Comparing Alternative Software Development Life Cycle Models, *IEEE Transaction on Software Engineering*, Vol. 14, No. 10, pp. 1453–1461 (1988).
- [13] DeMarco, T.: *Controlling Software Projects*, Yourdon Press (1982).
- [14] Finkelstein, A. C. W., Gabbay, D., Hunter, A., Kramer, J. and Nuseibeh, B. : Inconsistency Handling in Multiperspective Specifications, *IEEE Transactions on Software Engineering*, Vol. 20, No. 8, pp. 569–578 (1994).
- [15] Fowler, M. : *Analysis Patterns -Reusable Object Models-*. Addison-Wesley (1997).
- [16] Gamma, E. et al. : *Design Patterns: Elements of Reusable Object-Oriented Software*, Addison-Wesley (1994).
- [17] Garlan, D., Allen, R. and Ockerbloom, J.: Software Architecture, in Architectural Mismatch: Why Reuse Is So Hard, *IEEE Software*, November, pp. 20–21 (1995).
- [18] Goldberg, A.: *Smalltalk-80, The Interactive Programming Environment*, Addison-Wesley (1984).
- [19] Harrison, W. and Ossher, H. : Subject-Oriented Programming ( A Critique of Pure Objects), *Proc. of Object-Oriented Programming Systems, Languages, and Applications*, ACM, pp. 411–428 (1993).

- [20] Henderson-Selleres, B. and Edwards, J. M. : The Object-Oriented System Life Cycle, *Communications of ACM*, Vol. 33, No. 9, pp. 142-159 (1990).
- [21] Henderson-Selleres, B. : The Economics of Reusing Library Classes, *Journal of Object-Oriented Programming*, July/August, 1993, pp. 43-50 (1993).
- [22] Henderson-Sellers, B. : *Object-Oriented Metrics - Measures of Complexity-*, Prentice Hall (1996).
- [23] 本位田真一, 山城明宏 : オブジェクト指向システム開発, 日経 BP 出版センター (1993).
- [24] 本位田真一, 青山幹雄, 深澤良彰, 中谷多哉子編著: オブジェクト指向システム分析・設計, 共立出版 (1995).
- [25] Humphrey, W. S. : *Managing the Software Process*, Addison-Wesley (1989).
- [26] 井上健 : GUI 構築支援システム : GUI クラスライブラリ, 本位田真一, 青山幹雄, 深澤良彰, 中谷多哉子編著: オブジェクト指向システム分析・設計, 共立出版, pp. 84-106 (1995).
- [27] ISO-9000-3, *Quality Management and Quality Assurance Standards*, ISO (1991).
- [28] Jackson, M. : *Software Requirements and Specifications*, ACM Press (1995).
- [29] Jacobson, I., Christerson, M., Jonsson, P. and Overgaard, G. : *Object-Oriented Software Engineering: A Use Case Driven Approach*, Addison-Wesley (1992).
- [30] Jones, C : *Applied Software Measurement*, McGraw-Hill (1991).

- [31] LaLonde, W. and Pugh, J. : Gathering Metric Information Using Metalevel Facilities, *Journal of Object-Oriented Programming*, March/April, 1994, pp. 33–37.
- [32] M. M. Lehman. and L. A. Belady. : *Program Evolution*. Academic Press (1985).
- [33] Lehman, M. M. : Programs, Life Cycles and Laws of Software Evolution, Lehman, M. M. and Belady, L. A. edit. *Program Evolution*, Academic Press, pp. 393–449 (1985). (It is reprinted from Proc. IEEE Spec. Issue on Software Engineering, Vol. 68, No. 9, pp. 1060–1076 (1980).)
- [34] Lewis, T. , et al. : *Object-Oriented Application Frameworks*. Prentice Hall (1995).
- [35] Lientz, B. P. and Swanson, E. B. : *Software Maintenance Management*. Addison-Wesley (1980).
- [36] Liskov, B. and Wing, J. M. : Specifications and Their Use in Defining Subtypes, *Proc. of Object-Oriented Programming Systems, Languages, and Applications*, ACM, pp. 16–28 (1993).
- [37] Lorenz, M. and Kidd, J. : *Object-Oriented Software Metrics*, Prentice Hall (1994).
- [38] Pree, W. : *Design Patterns for Object-Oriented Software Development*, Addison-Wesley (1996).
- [39] Meyer, B. : *Object-Oriented Software Costruction*, Prentice Hall (1988).
- [40] Minsky, N. H. and Pal, P. P. : Providing Multiple Views for Objects by Means of Surrogates, *Viewpoints 96: International Workshop on Multiple Perspectives in Software Development (SIGSOFT 96)*, ACM Press (1997). (<http://www.cs.city.ac.uk/homes/gespan/vptoc.html>).

- [41] 中西弘毅, 荒野高志, : オブジェクト指向プログラミングにおけるクラスインタフェースの抽象化と利用効果の評価メトリクス, ソフトウェア工学研究会サマーワークショップ・イン・立山論文誌, 情報処理学会, pp. 145–150 (1995).
- [42] Nakatani, T. and Tamai, T. : A Domain Method Integrating Multiple Views, *Proc. of Changsha International CASE Symposium*, China, pp. 205–210 (1995).
- [43] Nakatani, T., Tamai, T., Tomoeda, A. and Sakoh, H. : Quantitative Analysis on Evolution Process of Object-Oriented Systems, *Proc. of International Symposium on Future Software Technology '96*, Xi'an, China, pp. 49–56 (1996).
- [44] 中谷多哉子, 玉井哲雄, 友枝敦, 酒匂寛. : オブジェクト指向によるシステムの進化を表わすメトリクスの検討 ソフトウェアシンポジウム'96 予稿集, SEA, pp. 52–62 (1996).
- [45] Nakatani, T., Tamai, T., Tomoeda, A. and Matsuda, H. Towards Constructing an Object Evolution Model *Proc. of Asia-Pacific Software Engineering Conference '97*, IEEE, Hong Kong, pp. 131–138 (1997).
- [46] Nissen, H. W., Jeusfeld, M. A., Jarke, M., Zemanek, G. V. and Huber, H.: Managing Multiple Requirements Perspectives with Metamodels, *IEEE Software*, March, 1996, pp. 37–48.
- [47] Nuseibeh, B.: Towards a Framework for Managing Inconsistency Between Multiple Views, *Proc. of Viewpoints 96: International Workshop on Multiple Perspectives in Software Development (SIGSOFT 96)*, ACM Press (1997). (<http://www.cs.city.ac.uk/homes/gespan/vptoc.html>).
- [48] Nuseibeh, B., Kramer, J. and Finkelstein, A.: A Framework for Expressing the Relationships Between Multiple Views in Requirements Specification, *IEEE Transactions on Software Engineering*, Vol.20, No.10, pp. 760–773 (1994).

- [49] Nuseibeh, B. , Kramer, J. and Finkelstein, A. : Expressing the Relationships Between Multiple Views in Requirements Specification, *Proc. of 15th International Conference on Software Engineering*, pp. 187–196 (1993).
- [50] Rubin, K. and Goldberg, A. : Object Behavior Analysis, *Communications of the ACM*, Vol.35, No.9, pp. 48–62 (1992).
- [51] Rumbaugh, J., et al. : *Object-Oriented Modeling and Design*, Prentice Hall (1991).
- [52] Sharble, R. C. and Cohen, S. S. : The Object-Oriented Brewery: A Comparison of Two Object-Oriented Development Methods, *ACM SIGSOFT Software Engineering Notes*, Vol. 18, No. 2, pp. 60–73 (1993).
- [53] Shaw, M. and Garlan, D. : *Software Architecture*, Prentice Hall (1996).
- [54] Shilling, J. J. and Sweeney, P. S. : Three Steps to Views: Extending the Object-Oriented Paradigm, *Proc. of Object-Oriented Programming Systems, Languages, and Applications*, ACM, pp. 353–361 (1989).
- [55] Shlaer, S. and Mellor, S. : *Object-Oriented Systems Analysis*, Prentice Hall (1988).
- [56] Stark, G., Durst, R. C. and Vowell, C. W. : Using Metrics in Management Decision Making, *IEEE Computer*, September, 1994, pp. 42–48.
- [57] Tamai,T. and Torimitsu,Y. : Software Lifetime and its Evolution Process over Generations, *Proc. of the Conference on Software Maintenance*, pp. 63–69 (1992).
- [58] Tate, G. : Prototyping: Helping to Build the Right Software, *Information and Software Technology*, Vol. 32, No. 4, pp. 237–244 (1990).
- [59] Wegner, P. : Concepts and Paradigms of Object-Oriented Programming, *OOPS Messenger*, Vol. 1, No. 1, ACM Press (1990).

- [60] Weller, E. F. : Using Metrics to Manage Software Projects, *IEEE Computer*, September, 1997, pp. 27–33.
- [61] Whitty, R. : Object-Oriented Metrics: A Status Report, *Object Expert*, Vol.1, No.1, pp. 35–40 (1996).
- [62] Wirfs-Brock, R. and Wilkerson, B. : Object-Oriented Design: A Responsibility-Driven Approach, *Proceedings of Object-Oriented Programming Systems, Languages, and Applications*, ACM, pp. 71–75 (1989).
- [63] Wirfs-Brock, R.: Designing Objects and Their Interactions: A Brief Look at Responsibility-Driven Design, Carroll, J. M. ed., *Scenario-Based Design*, John Wiley & Sons (1995).
- [64] Yao, S. B., Waddle, V. E. and Hausel, B. C. : View Modeling and Integration Using the Functional Data Model, *IEEE Transactions on Software Engineering*, Vol. SE-8, No. 6, pp. 544–553 (1982).

