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1.1. CS105. Estructuras Discretas I

- [Arís et al., 2003] Arís, E. P., González, J. L. S., and Rubio, F. M. (2003). *Lógica Computacional*. Thomson.
- [Brassard and Bratley, 1997] Brassard, G. and Bratley, P. (1997). *Fundamentos de Algoritmia*. Prentice Hall.
- [Gersting, 1987] Gersting, J. (1987). *Fundamentos Matemáticos para a Ciência da Computação*. ABDR.
- [Grassmann and Tremblay, 1997] Grassmann, W. and Tremblay, J. (1997). *Matemática Discreta y Lógica*. Prentice Hall.
- [Grimaldi, 1997] Grimaldi, R. (1997). *Matemáticas Discretas y Combinatoria*. Addison Wesley Iberoamericana.
- [Iranzo, 2005] Iranzo, P. J. (2005). *Lógica simbólica para informáticos*. Rama.
- [Johnsonbaugh, 1999] Johnsonbaugh, R. (1999). *Matemáticas Discretas*. Prentice Hall, México.
- [Kolman, 1997] Kolman, Busby, R. (1997). *Estructuras de Matemáticas Discretas para la Computación*. Prentice Hall.
- [Scheinerman, 2001] Scheinerman, E. R. (2001). *Introducción a la Teoría de Autómatas, Lenguajes y Computación*. Thomson Learning.

1.2. CS101F. Introducción a la Programación

- [Brookshear, 2008] Brookshear, J. G. (2008). *Computer Science: An Overview*. Addison-Wesley, 10th edition. 0321524039.
- [Gutttag, 2013] Gutttag, J. V. (2013). *Introduction To Computation And Programming Using Python*. Mit Press, 2013 edition.
- [Thompson, 2011] Thompson, S. (2011). *The Craft of Functional Programming, 3E*. Addison Wesley.
- [Zelle, 2010] Zelle, J. (2010). *Python Programming: An Introduction to Computer Science*. Franklin, Beedle Associates Inc, 2nd edition.

1.3. CB101. Álgebra y Geometría

- [Grossman, 1996] Grossman, S. I. (1996). *Álgebra Lineal*. McGraw Hill.
- [Lehmann, 2003] Lehmann, C. H. (2003). *Geometría Analítica*. Editorial Limusa.
- [Strang, 2003] Strang, G. (2003). *Introduction to Linear Algebra*. Wellesley, MA: Wellesley-Cambridge Press, 3rd edition.

1.4. FG102. Metodología del Estudio

- [Bernedo, 1995] Bernedo, J. (1995). *Metodología Intelectual, Antología*. UCSM.
- [Buzan, 1987] Buzan, T. (1987). *Cómo utilizar su mente con el máximo de rendimiento*. Ed. Planeta, Argentina.
- [Carrasco,] Carrasco, J. B. *Cómo aprender mejor*.
- [Chávez, 2011] Chávez, A. (2011). *Apuntes y Notas Técnicas*. UCSP.
- [GARAYCOCHEA,] GARAYCOCHEA, W. *Metodología del estudio*.
- [J., 2005] J., P. P. (2005). *Constructivismo, Estrategias para aprender a aprender*. PEARSON EDUCACION.
- [Pauk, 2002] Pauk, W. (2002). *Estrategias de estudio*. PEARSON EDUCACION.
- [Tapia, 2001] Tapia, A. (2001). *Educación y Desarrollo Humano*. UCSM.
- [Velazco, 1999b] Velazco, M. F. (1999b). *Mapas conceptuales en el aula*. Ed. San Marcos.

1.5. FG101. Comunicación

- [Alonso and Henríquez, 1957] Alonso, A. and Henríquez, P. (1957). *Gramática Castellana*. Losada, Buenos Aires.
- [Cassany and Luna, 2005] Cassany, D. and Luna, M. (2005). *Enseñar Lengua*. 10a Edición. GRAÓ, ESPAÑA.
- [Chaupin, 1986] Chaupin, J. C. (1986). *Gramática descriptiva y funcional de la Lengua*. Ed, Montegraf, Madrid.
- [Cisneros, 1967] Cisneros, J. (1967). *Lengua y Enseñanza*. Librería Studium, Lima.
- [De Saussure, 1945] De Saussure, F. (1945). *Curso de Lingüística General*. Losada, Buenos Aires.
- [Hockett, 1971] Hockett, C. (1971). *Curso de Lingüística Moderna*. Universitaria de Buenos Aires.
- [Leahey and Harris, 1998] Leahey, A. and Harris, J. (1998). *Aprendizaje y Metacognición*. Prentice Hall, España.

2.1. CS100. Introducción a la Ciencia de la Computación

- [Brookshear, 2012] Brookshear, J. G. (2012). *Computer Science: An Overview*. Addison-Wesley, 11th edition. ISBN 10: 0-13-256903-5.

2.2. CS106. Estructuras Discretas II

[Grimaldi, 1997] Grimaldi, R. (1997). *Matemáticas Discretas y Combinatoria*. Addison Wesley Iberoamericana.

[Johnsonbaugh, 1999] Johnsonbaugh, R. (1999). *Matemáticas Discretas*. Prentice Hall, México.

[Micha, 1998] Micha, E. (1998). *Matemáticas Discretas*. Limusa.

[Rosen, 2004] Rosen, K. H. (2004). *Matemática Discreta y sus Aplicaciones*. McGraw Hill.

2.3. CS101O. Introducción a la Programación Orientada a Objetos

[Deitel, 2013] Deitel, H. M. (2013). *C++ How to Program*. Pearson Educacion, 9th edition.

[Smith, 2001] Smith, J. A. (2001). *Desarrollo de Proyectos con Programación Orientada a Objetos con C++*. Thomson Learning.

[Stroustrup, 2013] Stroustrup, B. (2013). *The C++ Programming Language*. Addison-Wesley, 4th edition.

2.4. CB102. Análisis Matemático I

[Apostol, 1997] Apostol, T. M. (1997). *Calculus*, volume 1. Editorial Reverté, 2nd edition.

[Bartle and Sherbert, 1999] Bartle, R. G. and Sherbert, D. R. (1999). *Introduction to Real Analysis*. Wiley.

[Simmons, 1995] Simmons, G. F. (1995). *Calculus With Analytic Geometry*. McGraw-Hill, 2nd edition.

[Ávila, 1993] Ávila, G. (1993). *Introducao a analise matemática*. Editora Edgard Blucher LTda.

3.1. CS220T. Arquitectura de Computadores

[Brey, 2005] Brey, B. B. (2005). *The Intel Microprocessors: 8086/8088, 80186, 80286, 80386, 80486, Pentium, Pentium Pro, and Pentium II, Pentium III, Pentium 4*. Prentice-Hall, 7th edition.

[Mano, 1992] Mano, M. M. (1992). *Computer System Architecture*. Prentice Hall, 3rd edition.

[Norton, 1988] Norton, P. (1988). *Peter Norton's Assembly Language Book for the IBM PC*. Peter Norton Foundation Series. Brady Publishing. 0136624537.

3.2. CS130. Introducción a Internet

[Brookshear, 2005] Brookshear, J. G. (2005). *Computer Science an Overview*. Addison-Wesley, 8 edition.

[Greenlaw and Hepp, 1998] Greenlaw, R. and Hepp, E. (1998). *In-line/On-line: Fundamentals of the Internet and World Wide Web*. McGraw-Hill Companies.

[Rosenfeld and Morville, 1998] Rosenfeld, L. and Morville, P. (1998). *Information Architecture for the World Wide Web*. O'Reilly, 1st ed edition.

3.3. CS102O. Objetos y Abstracción de Datos

[Nakariakov, 2013] Nakariakov, S. (2013). *The Boost C++ Libraries: Generic Programming*. CreateSpace Independent Publishing Platform.

[Stroustrup, 2013] Stroustrup, B. (2013). *The C++ Programming Language*. Addison-Wesley, 4th edition.

3.4. CS107. Álgebra Abstracta

[Grimaldi, 1997] Grimaldi, R. (1997). *Matemáticas Discretas y Combinatoria*. Addison Wesley Iberoamericana.

[Scheinerman, 2001] Scheinerman, E. R. (2001). *Introducción a la Teoría de Autómatas, Lenguajes y Computación*. Thomson Learning.

3.5. CB103. Análisis Matemático II

[Apostol, 1997] Apostol, T. M. (1997). *Calculus*, volume 1. Editorial Reverté, 2nd edition.

[Bartle, 1976] Bartle, R. G. (1976). *The Elements of Real Analysis*. Wiley, 2nd edition.

[Simmons, 1995] Simmons, G. F. (1995). *Calculus With Analytic Geometry*. McGraw-Hill, 2nd edition.

4.1. CS270T. Bases de Datos I

[Celko, 2005] Celko, J. (2005). *Joe Celko's SQL Programming Style*. Elsevier.

[Date, 2005] Date, C. (2005). *Data Mining: Practical Machine Learning Tools and Techniques, Second Edition*. Elsevier.

[Dietrich, 2001] Dietrich, S. W. (2001). *Understanding Relational Database Query Languages, First Edition*. Prentice Hall.

[Elmasri and Navathe, 2004] Elmasri, R. and Navathe, S. B. (2004). *Fundamentals of Database Systems, Fourth Edition*. Addison Wesley.

- [Harrington, 2002] Harrington, J. L. (2002). *Relational Database Design Clearly Explained, Second Edition*. Morgan Kaufmann.
- [Korth and Silberschatz, 2002] Korth, H. F. and Silberschatz, A. (2002). *Fundamentos de Base de Datos*. McGraw-Hill.
- [Oppel, 2004] Oppel, A. (2004). *Databases Demystified*. Mc Graw Hill Osborne.
- [Rob and Coronel, 2004] Rob, P. and Coronel, C. (2004). *Database Systems: Design, Implementation and Management, Sixth Edition*. Morgan Kaufmann.
- [Simsion and Witt, 2004] Simsion, G. and Witt, G. (2004). *Data Modeling Essentials, Third Edition*. Morgan Kaufmann.
- [Veryard, 1994] Veryard, R. (1994). *Information Coordination: The Management of Information Models, Systems and Organizations*. Prentice Hall.
- [Whitehorn and Marklyn, 2001] Whitehorn, M. and Marklyn, B. (2001). *Inside Relational Databases, Second Edition*. Springer.

4.2. CS211T. Teoría de la Computación

- [Brookshear, 1993] Brookshear, J. G. (1993). *Teoría de la Computación*. Addison Wesley Iberoamericana.
- [Hopcroft and Ullman, 1993] Hopcroft, J. E. and Ullman, J. D. (1993). *Introducción a la Teoría de Autómatas, Lenguajes y Computación*. CECSA.
- [Kelley, 1995] Kelley, D. (1995). *Teoría de Autómatas y Lenguajes Formales*. Prentice Hall.
- [Kolman, 1997] Kolman, Busby, R. (1997). *Estructuras de Matemáticas Discretas para la Computación*. Prentice Hall.

4.3. CS103O. Algoritmos y Estructuras de Datos

- [Cormen et al., 2009] Cormen, T. H., Leiserson, C. E., Rivest, R. L., and Stein, C. (2009). *Introduction to Algorithms*. MIT Press, third edition edition. ISBN: 978-0-262-53305-8.
- [Fager et al., 2014] Fager, J., Yépez, W. L. P., Villacrés, M., Martínez, L. A. P., Ochoa, D., and Cuadros-Vargas, E. (2014). *Estructura de datos*. Iniciativa Latinoamericana de Libros de Texto Abiertos (LATIn), first edition edition.

4.4. CB201. Análisis Matemático III

- [Apóstol, 1973] Apóstol, T. M. (1973). *Calculus*, volume II. Editorial Reverté.
- [Bartle, 1976] Bartle, R. G. (1976). *The Elements of Real Analysis*. Wiley; 2 edition.

[Simmons, 1995] Simmons, G. F. (1995). *Calculus With Analytic Geometry*. McGraw-Hill Science/Engineering.

4.5. CB203. Estadística y Probabilidades

[Devore, 1998] Devore, J. L. (1998). *Probabilidad y estadística para ingeniería y ciencias*. International Thomson Editores.

[Meyer, 1970] Meyer, P. L. (1970). *Introductory Probability and Statistical Applications*. Addison Wesley.

[William Mendenhall, 1997] William Mendenhall, T. S. (1997). *Probabilidad y Estadística para Ingenierías Ciencias*. Prentice Hall Hispanoamericano, S.A.

5.1. CS210T. Análisis y Diseño de Algoritmos

[Cormen et al., 2009] Cormen, T. H., Leiserson, C. E., Rivest, R. L., and Stein, C. (2009). *Introduction to Algorithms, Third Edition*. The MIT Press, 3rd edition.

[Dasgupta et al., 2006] Dasgupta, S., Papadimitriou, C., and Vazirani, U. (2006). *Algorithms*. McGraw-Hill Education.

[Graham et al., 1994] Graham, R. L., Knuth, D. E., and Patashnik, O. (1994). *Concrete Mathematics*. Addison Wesley Iberoamericana.

[Kleinberg and Tardos, 2005] Kleinberg, J. and Tardos, E. (2005). *Algorithm Design*. Addison-Wesley Longman Publishing Co., Inc.

5.2. CS271T. Bases de Datos II

[Bernstein and Newcomer, 1997] Bernstein, P. A. and Newcomer, E. (1997). *Principles of Transaction Processing, First Edition*. Morgan Kaufmann.

[Brusilovsky et al., 1998] Brusilovsky, P., Kobsa, A., and Vassileva, J. (1998). *Adaptive Hypertext and Hypermedia, First Edition*. Springer.

[Burlinson, 2004] Burlinson, D. K. (2004). *Physical Database Design Using Oracle*. CRC Press.

[Celko, 2005] Celko, J. (2005). *Joe Celko's SQL Programming Style*. Elsevier.

[Date, 2005] Date, C. (2005). *Data Mining: Practical Machine Learning Tools and Techniques, Second Edition*. Elsevier.

[Elmasri and Navathe, 2004] Elmasri, R. and Navathe, S. B. (2004). *Fundamentals of Database Systems, Fourth Edition*. Addison Wesley.

[Ozsu and Valduriez, 1999] Ozsu, M. T. and Valduriez, P. (1999). *Principles of Distributed Database Systems, Second Edition*. Prentice Hall.

5.3. CS290T. Ingeniería de Software I

- [Larman, 2008] Larman, C. (2008). *Applying UML and Patterns*. Prentice Hall.
- [Long, 2007] Long, F. (2007). *Software Engineering Environments*. Peter Norton Foundation Series. Springer.
- [Pressman, 2005] Pressman, R. S. (2005). *Software Engineering: A Practitioner's Approach*. McGraw-Hill, 6th edition.
- [Sommerville, 2008] Sommerville, I. (2008). *Software Engineering*. Addison Wesley, 7th edition. ISBN: 0321210263.

5.4. CB306. Análisis Numérico

- [David Kincaid, 1994] David Kincaid, W. C. (1994). *Análisis Numérico*. Addison Wesley Iberoamericana.
- [Richard L. Burden, 2002] Richard L. Burden, J. D. F. (2002). *Análisis Numérico*. Thomson Learning.
- [Steven C. Chapra, 1988] Steven C. Chapra, R. P. C. (1988). *Métodos Numéricos para Ingenieros McGraw*. MacGraw Hill.
- [Zill, 2002] Zill, D. G. (2002). *Ecuaciones Diferenciales con Problemas de Valores en la Frontera*. Thomson Learning.

5.5. CB111. Física Computacional

- [Alonso and Finn, 1995] Alonso, M. and Finn, E. (1995). *Física*. Addison Wesley Iberoamericana.
- [Borneianu, 2008] Borneianu, R. H. L. J. P. C. C. (2008). *A Survey of Computational Physics: Introductory Computational Science*. Princeton University Press. 978-0691131375.
- [Gould, 2006] Gould, H. (2006). *An Introduction to Computer Simulation Methods: Applications to Physical Systems*. Addison Wesley, 3rd edition edition. 978-0805377583.
- [Hugh D. Young, 2007] Hugh D. Young, Roger A. Freedman, L. F. (2007). *University Physics with Modern Physics*. Addison Wesley.
- [Landau et al., 2007] Landau, R. H., Páez, M. J., and Bordeianu, C. C. (2007). *Computational Physics: Problem Solving with Computers*. Wiley-VCH, 2nd edition. 978-3527406265.
- [Mermin, 2006] Mermin, N. D. (2006). *Solving PDEs in C++*. SIAM, Society for Industrial and Applied Mathematics, 1 edition edition. 978-0898716016.
- [Pang, 2006] Pang, T. (2006). *An Introduction to Computational Physics*. Cambridge University Press, 2nd edition. 978-0521825696.

- [Raymond A. Serway, 2009] Raymond A. Serway, J. W. J. (2009). *Physics for Scientists and Engineers*. Brooks Cole.
- [Rieger., 2002] Rieger., A. K. H. H. (2002). *Optimization Algorithms in Physics*. Wiley-VCH, 1 edition edition. 978-3527403073.
- [Schwarz., 1998] Schwarz., N. G. A. D. S. (1998). *Physics for computer science students*. Springer, 2nd edition. 978-0387949031.
- [Shabana, 2008] Shabana, A. A. (2008). *Computational Continuum Mechanics*. Cambridge University Press, 1 edition edition. 978-0521885690.
- [Thijssen, 1999] Thijssen, J. M. (1999). *Computational Physics*. Cambridge University Press. 978-0521575881.

6.1. CS315. Estructuras de Datos Avanzadas

- [Chávez et al., 2001] Chávez, E., Navarro, G., Baeza-Yates, R., and Marroquín, J. (2001). Proximity searching in metric spaces. *ACM Computing Surveys*, 33(3):273–321.
- [Cuadros-Vargas et al., 2004] Cuadros-Vargas, E., Romero, R. A. F., Mock, M., and Brisaboa, N. (2004). Implementing data structures: An incremental approach. <http://socios.spc.org.pe/ecuadros/cursos/pdfs/>.
- [Gaede and Günther, 1998] Gaede, V. and Günther, O. (1998). Multidimensional Access Methods. *ACM Computing Surveys*, 30(2):170–231.
- [Gamma et al., 1994] Gamma, E., Helm, R., Johnson, R., and Vlissides, J. M. (1994). *Design Patterns: Elements of Reusable Object-Oriented Software*. Computing Series. Addison-Wesley Professional. ISBN-10: 0201633612.
- [Knuth, 2007a] Knuth, D. E. (2007a). *The Art of Computer Programming, Fundamental Algorithms*, volume I. Addison-Wesley, 3rd edition. 0-201-89683-4.
- [Knuth, 2007b] Knuth, D. E. (2007b). *The Art of Computer Programming, Sorting and Searching*, volume II. Addison-Wesley, 2nd edition. 0-201-89685-0.
- [PGregory Shakhnarovich and Indyk, 2006] PGregory Shakhnarovich, T. D. and Indyk, P. (2006). *Nearest-Neighbor Methods in Learning and Vision: Theory and Practice*. MIT Press, 1st edition. ISBN 0-262-19547-X.
- [Samet, 2006] Samet, H. (2006). *Foundations of Multidimensional and Metric Data Structures*. Elsevier/Morgan Kaufmann, illustrated edition.
- [Traina Jr et al., 2000] Traina Jr, C., Traina, A. J. M., Seeger, B., and Faloutsos, C. (2000). Slim-Trees: High Performance Metric Trees Minimizing Overlap between Nodes. In *Advances in Database Technology - EDBT 2000, 6th International Conference on Extending Database Technology*, volume 1777 of *Lecture Notes in Computer Science*, pages 51–65, Konstanz, Germany. Springer.

[Zezula et al., 2007] Zezula, P., Amato, G., Dohnal, V., and Batko, M. (2007). *Similarity Search: The Metric Space Approach*. Springer, 1st edition. ISBN-10: 0387291466.

6.2. CS225T. Sistemas Operativos

[Mateu, 1999] Mateu, L. (1999). *Apuntes de Sistemas Operativos*. Universidad de Chile.

[Stallings, 2005] Stallings, W. (2005). *Operating Systems: Internals and Design Principles, 5/E*. Prentice Hall.

[Tanenbaum, 2001] Tanenbaum, A. S. (2001). *Modern Operating Systems, 2/E*. Prentice Hall.

[Tanenbaum, 2006] Tanenbaum, A. S. (2006). *Operating Systems Design and Implementation, 3/E*. Prentice Hall.

6.3. CS390. Ingeniería de Software II

[Ambriola, 2001] Ambriola, V. (2001). *Software Process Technology*. Springer.

[Blum, 1992] Blum, B. I. (1992). *Software Engineering: A Holistic View*. Oxford University Press US, 7th edition.

[Conradi, 2000] Conradi, R. (2000). *Software Process Technology*. Springer.

[Keyes, 2004] Keyes, J. (2004). *Software Configuration Management*. CRC Press.

[Montangero, 1996] Montangero, C. (1996). *Software Process Technology*. Springer.

[Oquendo, 2003] Oquendo, F. (2003). *Software Process Technology*. Springer.

[Pressman, 2004] Pressman, R. S. (2004). *Software Engineering: A Practitioner's Approach*. McGraw-Hill, 6th edition.

[Priest and Sanchez, 2001] Priest, J. W. and Sanchez, J. M. (2001). *Product Development and Design for Manufacturing*. Marcel Dekker.

[Schach, 2004] Schach, S. R. (2004). *Object-Oriented and Classical Software Engineering*. McGraw-Hill.

[Wang and King, 2000] Wang, Y. and King, G. (2000). *Software Engineering Processes: Principles and Applications*. CRC Press.

[Windle and Abreo, 2002] Windle, D. R. and Abreo, L. R. (2002). *Software Requirements Using the Unified Process*. Prentice Hall.

6.4. CS260. Lógica Computacional

- [Arís et al., 2003] Arís, E. P., González, J. L. S., and Rubio, F. M. (2003). *Lógica Computacional*. Thomson.
- [Bratko, 1991] Bratko, I. (1991). *Prolog. Programming for artificial intelligence*. Addison Wesley.
- [Fernández and Sáez, 2003] Fernández, G. and Sáez, F. (2003). *Fundamentos de Informática: Lógica, Autómatas y Lenguajes*. Anaya Multimedia.
- [Iranzo, 2005] Iranzo, P. J. (2005). *Lógica simbólica para informáticos*. Rama.
- [Klir and A.Folger, 1995] Klir, J. G. and A.Folger, T. (1995). *Fuzzy sets, uncertainty and information*. Prentice-Hall.
- [Lloyd, 1993] Lloyd, J. W. (1993). *Foundations of Logic Programming*. Springer.

6.5. CB307. Matemática aplicada a la computación

- [Apóstol, 1973] Apóstol, T. M. (1973). *Calculus Vol II*. Editorial Reverté.
- [Hirsh and Smale, 1974] Hirsh, M. W. and Smale, S. (1974). *Differential Equations, Dynamical Systems, and Linear Álgebra*. Academia Press.
- [Strang, 2003] Strang, G. (2003). *Introduction to Linear Algebra, 3ª edición*. Wellesley-Cambridge Press.
- [Zill, 2002] Zill, D. G. (2002). *Ecuaciones Diferenciales con Problemas de Valores en la Frontera*. Thomson Learning.

7.1. CS250W. Interacción Humano Computador

- [Baecker et al., 2000] Baecker, R., Buxton, W., and Grudin, J. (2000). *Readings in Human-Computer Interaction: Toward the Year 2000*. The Morgan Kaufmann Series in Interactive Technologies. Morgan Kaufmann, 2nd edition edition.
- [Constantine, a] Constantine, L. Technical report.
- [Constantine and Lockwood,] Constantine, L. and Lockwood, L. Technical report.
- [Inc.,] Inc., A. Technical report.
- [Loranger et al.,] Loranger, H., Schade, A., and Nielsen, J. Technical report.
- [Pressman, 2007] Pressman, R. (2007). *Ingeniería del Software: Un enfoque práctico*. McGraw-Hill Interamericana, 6ta. edición edition.

[Sharp et al., 2009] Sharp, H., Rogers, Y., and Preece, J. (2009). *Interaction Design: Beyond human-computer interaction*. John Wiley & Sons, 2nd. edition edition.

[Smart et al., 2005] Smart, J., Hock, K., and Csomor, S. (2005). *Cross-Platform GUI Programming with wxWidgets*. Prentice Hall.

[Smith-Atakan, 2006] Smith-Atakan, S. (2006). *Human-Computer Interaction*. The FastTrack Series. Thomson Learnig and Middlesex University Press, 6ta. edición edition.

[Wirfs-Brock,] Wirfs-Brock, R. Technical report.

7.2. CS401. Proyecto I

[Association for Computing Machinery, 2008] Association for Computing Machinery (2008). *Digital Libray*. Association for Computing Machinery. <http://portal.acm.org/dl.cfm>.

[CiteSeer.IST, 2008] CiteSeer.IST (2008). *Scientific Literature Digital Library*. College of Information Sciences and Technology, Penn State University. <http://citeseer.ist.psu.edu>.

[IEEE-Computer Society, 2008] IEEE-Computer Society (2008). *Digital Library*. IEEE-Computer Society. <http://www.computer.org/publications/dlib>.

7.3. CS343. Lenguajes de Programación

[Bal and Grune, 1994] Bal, H. E. and Grune, D. (1994). *Programming Language Essentials*. Addison-Wesley.

[Mueller, 2004] Mueller, C. (2004). *Addressing: The root of all programming evils*. Proceedings of the 28th Annual International Computer Software and Applications Conference.

[Sebesta, 2005] Sebesta, R. W. (2005). *Concepts of Programming Languages*. Addison-Wesley.

[Sethi, 1996] Sethi, R. (1996). *Programming Languages: Concepts and Constructs, Second Edition*. Addison Wesley Publishing Company.

7.4. CS336. Seguridad en Computación

[Bellovin, 1989] Bellovin, S. (1989). Security problems in the tcp/ip protocol suite. *ACM Computer Communications Review*, 19(2):32–48.

[Caballero, 1996] Caballero, P. (1996). *Introducción a la Criptografía*, volume Textos Universitarios. Ra-Ma.

[Cano, 1998b] Cano, J. J. (1998b). Pautas y recomendaciones para elaborar políticas de seguridad informática. Technical report, Universidad de Los Andes.

- [Department of Defense, 1985a] Department of Defense (1985a). *Password Management Guideline (Green Book)*. Department of Defense. CSC-STD-002-85.
- [FIPS PUB, 1994] FIPS PUB (1994). Guideline for the analysis of local area network security. Technical Report 191, FIPS PUB.
- [Fúster et al., 1997] Fúster, A., De la Guía, D., Hernández, L., Montoya, F., and Muñoz, J. (1997). *Técnicas Criptográficas de Protección de Datos*. Ra-Ma.
- [ICSA Inc., 1998b] ICSA Inc. (1998b). An introduction to intrusion detection and assessment. Technical report, ICSA Inc.
- [NCSC, 1987] NCSC (1987). A guide to understanding discretionary access control in trusted systems. Technical report, National Computer Security Center. NCSC-TG-003.
- [Neuman and Ts'o, 1994] Neuman, B. C. and Ts'o, T. (1994). Kerberos: An authentication service for computer networks. *IEEE Communications Magazine*, 32(9):33–38.
- [of Computer Engineering, 1995] of Computer Engineering, D. (1995). A structured approach to computer security. Technical report, Chalmers University of Technology.
- [Ramió Aguirre, 1999] Ramió Aguirre, J. (1999). *Aplicaciones Criptográficas*. Dpto. de Publicaciones EUI-UPM, segunda edición edition.
- [Russel and Gangemi, 1991] Russel, D. and Gangemi, G. (1991). *Computer Security Basics*. O'Reilly and Associates.
- [Sandhu and Samarati, 1994] Sandhu, R. S. and Samarati, P. (1994). Authentication, access control and intrusion detection. *IEEE Communications*, 32(9).
- [Seberry and Pieprzyk, 1989] Seberry, J. and Pieprzyk, J. (1989). *Cryptography. An Introduction to Computer Security*. Prentice-Hall.
- [Spafford, 1998] Spafford, E. H. (1998). The internet worm program: An analysis. Technical report, Purdue. CSD-TR-823.
- [Stallings, 1999] Stallings, W. (1999). *Cryptography and Network Security. Principles and Practice*. Prentice Hall International Editions, segunda edición edition.
- [Tinto, 1989] Tinto, M. (1989). Computer viruses: prevention, detection and treatment. Technical Report 001, National Computer Security Center.
- [Venerma, 1998] Venerma, W. (1998). Tcpwrapper: networking monitoring, access control and booby traps. Technical report, Mathematics and Computing Science, Eindhoven University of Technology.
- [William, 1995a] William, S. (1995a). *Network and Internetwork Security, Principles and Practice*. Prentice-Hall.

7.5. CS261T. Inteligencia Artificial

- [De Castro, 2006] De Castro, L. (2006). *Fundamentals of natural computing: basic concepts, algorithms, and applications*. CRC Press.
- [Goldberg, 1989] Goldberg, D. (1989). *Genetic Algorithms in Search, Optimization and Machine Learning*. Addison Wesley.
- [Haykin, 1999] Haykin, S. (1999). *Neural networks: A Comprehensive Foundation*. Prentice Hall.
- [Nilsson, 2001] Nilsson, N. (2001). *Inteligencia Artificial: Una nueva visión*. McGraw-Hill.
- [Ponce-Gallegos et al., 2014] Ponce-Gallegos, J., Torres-Soto, A., tima Quezada Aguilera, Silva-Sprock, A., Flor, E. M., Casali, A., Scheihing, E., Tupac, Y., Soto, M. T., Zapata, F. O., A., J. H., D., C. Z., Vakhnia, N., and Pedreño, O. (2014). *Inteligencia Artificial*. Iniciativa Latinoamericana de Libros de Texto Abiertos (LATIn).
- [Russell and Norvig, 2003] Russell, S. and Norvig, P. (2003). *Inteligencia Artificial: Un enfoque moderno*. Prentice Hall.

7.6. CS314. Algoritmos Paralelos

- [Chandra et al., 2000] Chandra, R., Menon, R., Leo Dagum, D. K., Maydan, D., and McDonald, J. (2000). *Parallel Programming in OpenMP*. Morgan Kaufmann, 1 edition.
- [Karniadakis and II, 2003] Karniadakis, G. E. and II, R. M. K. (2003). *Parallel Scientific Computing in C++ and MPI: A Seamless Approach to Parallel Algorithms and their Implementation*. Cambridge University Press, 1 edition.
- [Lin and Snyder, 2008] Lin, C. and Snyder, L. (2008). *Principles of Parallel Programming*. Addison Wesley, 1 edition.
- [Nichols et al., 1996] Nichols, B., Buttler, D., and Farrell, J. P. (1996). *Pthreads Programming: A POSIX Standard for Better Multiprocessing*. O'Reilly Media, Inc., 1 edition.
- [Reinders, 2007] Reinders, J. (2007). *Intel Threading Building Blocks: Outfitting C++ for Multi-core Processor Parallelism*. O'Reilly Media, Inc., 1 edition.

8.1. CS280T. Aspectos sociales y profesionales de la computación

- [Ediciones, 2005a] Ediciones, D., editor (2005a). *Financial Times Mastering Information Management*.
- [Ediciones, 2005b] Ediciones, D., editor (2005b). *Revista Datamation MC Ediciones*.

[Ediciones, 2005c] Ediciones, D., editor (2005c). *Understanding the Digital Economy*.

[Jr, 2000] Jr, R. M. (2000). *Sistemas de Información Gerencial*. Prentice Hall, 6ta edition.

[Laudon and Laudon, 2004] Laudon, K. C. and Laudon, J. P. (2004). *Sistemas de Información Gerencial*. Prentice Hall, 8va edition.

8.2. CS402. Proyecto II

[Association for Computing Machinery, 2008] Association for Computing Machinery (2008). *Digital Libray*. Association for Computing Machinery. <http://portal.acm.org/dl.cfm>.

[CiteSeer.IST, 2008] CiteSeer.IST (2008). *Scientific Literature Digital Libray*. College of Information Sciences and Technology, Penn State University. <http://citeseer.ist.psu.edu>.

[IEEE-Computer Society, 2008] IEEE-Computer Society (2008). *Digital Libray*. IEEE-Computer Society. <http://www.computer.org/publications/dlib>.

8.3. CS255. Computación Gráfica

[Foley and van Dam, 1990] Foley, J. and van Dam, A. (1990). *Computer Graphics: Principles and Practice*. Addison-Wesley.

[Hearn and Baker, 1994] Hearn, D. and Baker, M. P. (1994). *Computer Graphics in C*. Prentice Hall.

8.4. CS230W. Computación Centrada en Redes

8.5. CS240S. Compiladores

[Aho, 1990] Aho, A. (1990). *Compiladores Principios, técnicas y herramientas*. Addison Wesley.

[Aho et al., 2008] Aho, A., Lam, M., Sethi, R., and Ullman, J. D. (2008). *Compiladores. Principios, técnicas y herramientas*. Addison Wesley, 2nd edition. ISBN:10-970-26-1133-4.

[A.Lemone, 1996] A.Lemone, K. (1996). *Fundamentos de Compiladores*. CECSA-Mexico.

[Appel, 2002] Appel, A. W. (2002). *Modern compiler implementation in Java*. Cambridge University Press, 2.a edición edition.

[Louden, 2004a] Louden, K. C. (2004a). *Construccion de Compiladores Principios y Practica*. Thomson.

[Louden, 2004b] Louden, K. C. (2004b). *Lenguajes de Programacion*. Thomson.

- [Pratt and V.Zelkowitz, 1998] Pratt, T. W. and V.Zelkowitz, M. (1998). *Lenguajes de Programacion Diseño e Implementacion*. Prentice-Hall Hispanoamericana S.A.
- [Teufel and Schmidt, 1998] Teufel, B. and Schmidt, S. (1998). *Fundamentos de Compiladores*. Addison Wesley Iberoamericana.

8.6. CS391. Calidad de Software

- [Carroll and Daughtrey, 2007] Carroll, S. and Daughtrey, T. (2007). *Fundamental Concepts for the Software Quality Engineering Volume 2*. American Society for Quality Press, 2nd edition.
- [Chrissis et al., 2007] Chrissis, M. B., Konrad, M., and Shrum, S. (2007). *CM-MI Guidelines for Process Integration and Product Improvement*. Addison-Wesley, 2nd edition.
- [Farrell-Vinay, 2008] Farrell-Vinay, P. (2008). *Manage Software Testing*. Auerbach Publications, Taylor & Francis Group.
- [Humphrey, 1995] Humphrey, W. S. (1995). *A Discipline for Software Engineering*. Addison-Wesley, 1st edition.
- [Humphrey, 1997] Humphrey, W. S. (1997). *Introduction to the Personal Software Process*. Addison-Wesley, 1st edition.
- [Humphrey, 2000] Humphrey, W. S. (2000). *Introduction to the Team Software Process*. Addison-Wesley, 1st edition.
- [Humphrey, 2001] Humphrey, W. S. (2001). *Winning with Software: An Executive Summary*. Addison-Wesley, 1st edition.
- [Humphrey, 2005] Humphrey, W. S. (2005). *PSP: A Self-Improvement Process for Software Engineers*. Addison-Wesley, 1st edition.
- [Humphrey, 2006a] Humphrey, W. S. (2006a). *TSP: Coaching Development Teams*. Addison-Wesley, 1st edition.
- [Humphrey, 2006b] Humphrey, W. S. (2006b). *TSP: Leading a Development Team*. Addison-Wesley, 1st edition.
- [Khan et al., 2006] Khan, R., Mustafa, K., and Ahson, S. (2006). *Software Quality: Concepts and Practice*. Alpha Science Intl Ltd.
- [Kulpa and Johnson, 2008] Kulpa, M. K. and Johnson, K. A. (2008). *Interpreting the CMMMI a Process Improvement Approach*. CRC Press Taylor & Francis Group, 2nd edition.
- [Peach, 2002] Peach, R. W. (2002). *The ISO 9000 Handbook*. QSU Publishing Company, 4th edition.
- [Pomeroy-Huff et al., 2005] Pomeroy-Huff, M., Mullaney, J., Cannon, R., and Sebum, M. (2005). *The Personal Software Process PSP Body of Knowledge*. CMU/SEI-2005-SR-003, 1st edition.

[Schulmeyer, 2008] Schulmeyer, G. G. (2008). *Handbook of Software Quality Assurance*. Artech House Inc., 4th edition.

[Team, 2006] Team, C. P. (2006). *CMMI for Development Version 1.2*. CMU/SEI-2006-TR-2006-008.

[Wang and King, 2000] Wang, Y. and King, G. (2000). *Software Engineering Processes: Principles and Applications*. CRC Press.

8.7. ET101. Formación de Empresas de Base Tecnológica I

[Blank and Dorf, 2012] Blank, S. and Dorf, B. (2012). *The Startup Owner's Manual: The Step-By-Step Guide for Building a Great Company*. K and S Ranch.

[Byers et al., 2010] Byers, T., Dorf, R., and Nelson, A. (2010). *Technology Ventures: From Idea to Enterprise*. McGraw-Hill Science.

[Congreso de la Republica del Perú, 1996] Congreso de la Republica del Perú (1996). *Decreto Legislativo N°823. Ley de la Propiedad Industrial*. El Peruano.

[de la Republica del Peru, 1997] de la Republica del Peru, C. (1997). *Ley N°26887. Ley General de Sociedades*. El Peruano.

[Garzozzi-Pincay et al., 2014] Garzozzi-Pincay, R., Messina-Scolaro, M., Moncada-Marino, C., Ochoa-Luna, J., Ilabel-Pérez, G., and Zambrano-Segura, R. (2014). *Planes de Negocios para Emprendedores*. Iniciativa Latinoamericana de Libros de Texto Abiertos (LATIn).

[Osterwalder and Pigneur, 2010] Osterwalder, A. and Pigneur, Y. (2010). *Business Model Generation: A Handbook for Visionaries, Game Changers, and Challengers*. Wiley.

[Ries, 2011] Ries, E. (2011). *The Lean Startup: How Today's Entrepreneurs Use Continuous Innovation to Create Radically Successful Businesses*. Crown Business.

9.1. CS355. Tópicos en Computación Gráfica

9.2. CS361. Tópicos en Inteligencia Artificial

9.3. CS360. Computación Bioinspirada

[Baldi and Brunak, 2001] Baldi, P. and Brunak, S. (2001). *Bioinformatics: the machine learning approach*. The MIT Press.

[De Castro, 2006] De Castro, L. (2006). *Fundamentals of natural computing: basic concepts, algorithms, and applications*. CRC Press.

- [Dorigo and Stützle, 2004] Dorigo, M. and Stützle, T. (2004). *Ant colony optimization*. the MIT Press.
- [Goldberg, 1989] Goldberg, D. (1989). *Genetic Algorithms in Search, Optimization and Machine Learning*. Addison Wesley.
- [Haykin, 1999] Haykin, S. (1999). *Neural networks: A Comprehensive Foundation*. Prentice Hall.
- [Kennedy et al., 2001] Kennedy, J., Eberhart, R., and Yuhui, S. (2001). *Swarm intelligence*. Morgan Kaufmann Publishers.
- [Mitchell, 1998] Mitchell, M. (1998). *An introduction to genetic algorithms*. The MIT press.

9.4. CS393. Métodos Formales

- [Gutttag and Horning, 1991] Gutttag, J. V. and Horning, J. J. (1991). A tutorial on Larch and LCL, a Larch/C interface language. In Prehn, S. and Toetenel, W. J., editors, *VDM91: Formal Software Development Methods*, Delft. Springer-Verlag Lecture Notes in Computer Science 551.
- [Hinchey and Dean, 1996] Hinchey, M. and Dean, C. N. (1996). *Teaching and Learning Formal Methods*. Morgan Kaufmann.
- [Jacky, 1996] Jacky, J. (1996). *The Way of Z: Practical Programming with Formal Methods*. Cambridge University Press.
- [Jr., 1992] Jr., J. W. B. (1992). Formal specification of engineering analysis programs. In Houstis, E. N., Rice, J. R., and Vichnevetsky, R., editors, *Expert Systems for Numerical Computing*. North-Holland.

9.5. CS370. Tópicos en Bases de Datos

- [Brusilovsky et al., 1998] Brusilovsky, P., Kobsa, A., and Vassileva, J. (1998). *Adaptive Hypertext and Hypermedia, First Edition*. Springer.
- [Elmasri and Navathe, 2004] Elmasri, R. and Navathe, S. B. (2004). *Fundamentals of Database Systems, Fourth Edition*. Addison Wesley.
- [Han and Kamber, 2001] Han, J. and Kamber, M. (2001). *Data Mining: Concepts and Techniques*. Morgan Kaufmann Publishers.
- [Inmon, 2004] Inmon, W. H. (2004). *Building the Data Warehouse, 3rd Edition*. Willey.
- [Kimball et al., 2005] Kimball, R., Reeves, L., Ross, M., and Thornthwaite, W. (2005). *The Data Warehouse Lifecycle Toolkit : Expert Methods for Designing, Developing, and Deploying Data Warehouses*. Willey.
- [Kimball and Ross, 2004] Kimball, R. and Ross, M. (2004). *The Data Warehouse Toolkit: The Complete Guide to Dimensional Modeling, Second Edition*. Willey.

[Tan et al., 2005] Tan, P.-N., Steinbach, M., and Kumar, V. (2005). *Introduction to Data Mining, First Edition*. Addison Wesley.

[Witten and Bainbridge, 2002] Witten, I. H. and Bainbridge, D. (2002). *How to Build a Digital Library, First Edition*. Morgan Kaufmann.

[Witten and Frank, 2005] Witten, I. H. and Frank, E. (2005). *Data Mining: Practical Machine Learning Tools and Techniques, Second Edition*. Elsevier.

9.6. CS403. Proyecto de Tesis

[Association for Computing Machinery, 2008] Association for Computing Machinery (2008). *Digital Library*. Association for Computing Machinery. <http://portal.acm.org/dl.cfm>.

[CiteSeer.IST, 2008] CiteSeer.IST (2008). *Scientific Literature Digital Library*. College of Information Sciences and Technology, Penn State University. <http://citeseer.ist.psu.edu>.

[IEEE-Computer Society, 2008] IEEE-Computer Society (2008). *Digital Library*. IEEE-Computer Society. <http://www.computer.org/publications/dlib>.

9.7. CB309. Computación Molecular Biológica

[Clote and Backofen, 2000] Clote, P. and Backofen, R. (2000). *Computational Molecular Biology, An Introduction*. Wiley.

[Jones and Pevzner, 2004] Jones, N. A. and Pevzner, P. A. (2004). *An Introduction to Bioinformatics Algorithms*. The MIT Press.

[Mount, 2001] Mount, D. W. (2001). *Bioinformatics: Sequence and Genome Analysis*. Cold Spring Harbor Laboratory Press.

9.8. ET102. Formación de Empresas de Base Tecnológica II

[Blank and Tarkin, 2006] Blank, L. and Tarkin, A. (2006). *Ingeniería Económica*. McGraw Hill, México D.F., México.

[de Manuel Dasí and Martínez, 2006] de Manuel Dasí, F. and Martínez, R. M.-V. (2006). *Técnicas de Negociación. Un método práctico*. Esic, Madrid.

[Fisher et al., 1996] Fisher, R., Ury, W., and Patton, B. (1996). *Si... ¿de acuerdo! Cómo negociar sin ceder*. Norma, Barcelona.

[Kotler and Keller, 2006] Kotler, P. and Keller, K. L. (2006). *Dirección de Marketing*. Prentice Hall, México.

[Lovelock and Wirtz, 2009] Lovelock, C. and Wirtz, J. (2009). *Marketing de servicios. Personal, tecnología y estrategia*. Prentice Hall, México.

[Pincay et al., 2014] Pincay, R. G., Scolaro, M. M., Marino, C. M., Luna, J. O., Pérez, G. I., and Segura, R. Z. (2014). *Planes de Negocios para Emprendedores*. Iniciativa Latinoamericana de Libros de Texto Abiertos (LATIn).

10.1. CS232W. Programación de Dispositivos Móviles

[Frank Adelstein, 2005] Frank Adelstein, Sandeep KS Gupta, G. R. I. L. S. (2005). *Fundamentals of Mobile and Pervasive Computing*. 1st edition.

[Krumm, 2009] Krumm, J. (2009). *Ubiquitous Computing Fundamentals*. Chapman & Hall/CRC, 1st edition.

[Pitoura and Samaras, 1997] Pitoura, E. and Samaras, G. (1997). *Data Management for Mobile Computing*. Kluwer Academic Publishers, Norwell, MA, USA.

10.2. CS367. Robótica

[Gonzales and Woods, 2007] Gonzales, R. C. and Woods, R. E. (2007). *Digital Image Processing*. Prentice Hall, 3rd edition. ISBN: 013168728X,978013168728B.

[Siegwart and Nourbakhsh, 2004] Siegwart, R. and Nourbakhsh, I. (2004). *Introduction to Autonomous Mobile Robots*. Intelligent Robots and Autonomous Agents. The MIT Press. ISBN:0-262-19502-X.

[Sonka et al., 2007] Sonka, M., Hlavac, V., and Boile, R. (2007). *Image Processing, Analysis and Machine Vision*. Cengage-Engineering.

[Thrun et al., 2005] Thrun, S., Burgard, W., and Fox, D. (2005). *Probabilistic Robotics*. Intelligent Robots and Autonomous Agents. The MIT Press.

10.3. CS404. Seminario de Tesis

[Association for Computing Machinery, 2008] Association for Computing Machinery (2008). *Digital Libray*. Association for Computing Machinery. <http://portal.acm.org/dl.cfm>.

[CiteSeer.IST, 2008] CiteSeer.IST (2008). *Scientific Literature Digital Libray*. College of Information Sciences and Technology, Penn State University. <http://citeseer.ist.psu.edu>.

[IEEE-Computer Society, 2008] IEEE-Computer Society (2008). *Digital Libray*. IEEE-Computer Society. <http://www.computer.org/publications/dlib>.

10.4. CS331. Cloud Computing

- [Agrawal et al., 2009] Agrawal, R., Ailamaki, A., Bernstein, P. A., Brewer, E. A., Carey, M. J., Chaudhuri, S., Doan, A., Florescu, D., Franklin, M. J., Garcia-Molina, H., Gehrke, J., Gruenwald, L., Haas, L. M., Halevy, A. Y., Hellerstein, J. M., Ioannidis, Y. E., Korth, H. F., Kossmann, D., Madden, S., Magoulas, R., Ooi, B. C., O'Reilly, T., Ramakrishnan, R., Sarawagi, S., Stonebraker, M., Szalay, A. S., and Weikum, G. (2009). The Claremont report on database research. *Communication of ACM*, 52(6):56–65.
- [Armbrust et al., 2009] Armbrust, M., Fox, A., Griffith, R., Joseph, A. D., Katz, R. H., Konwinski, A., Lee, G., Patterson, D. A., Rabkin, A., Stoica, I., and Zaharia, M. (2009). Above the clouds: A Berkeley view of cloud computing. Technical Report UCB/EECS-2009-28, EECS Department, University of California, Berkeley.
- [Bryant, 2007] Bryant, R. E. (2007). Data-intensive supercomputing: The case for disc. Technical report, Carnegie Mellon University, School of Computer Science.
- [Dean and Ghemawat, 2008] Dean, J. and Ghemawat, S. (2008). Mapreduce: simplified data processing on large clusters. *Commun. ACM*, 51(1):107–113.
- [Hey et al., 2009] Hey, T., Tansley, S., and Tolle, K., editors (2009). *The Fourth Paradigm: Data-Intensive Scientific Discovery*. Microsoft Research, Redmond, Washington.
- [Mei et al., 2008] Mei, L., Chan, W., and Tse, T. (2008). A tale of clouds: Paradigm comparisons and some thoughts on research issues. *Asia-Pacific Conference on Services Computing. 2006 IEEE*, 0:464–469.
- [Mell and Grance, 2009] Mell, P. and Grance, T. (2009). The nist definition of cloud computing.
- [Nurmi et al., 2009] Nurmi, D., Wolski, R., Grzegorzczak, C., Obertelli, G., Soman, S., Youseff, L., and Zagorodnov, D. (2009). The eucalyptus open-source cloud-computing system. In *Proceedings of the 2009 9th IEEE/ACM International Symposium on Cluster Computing and the Grid, CCGRID '09*, pages 124–131, Washington, DC, USA. IEEE Computer Society.
- [Services, 2010] Services, A. W. (2010). Amazon web services. <http://aws.amazon.com/>.
- [Stonebraker, 1986] Stonebraker, M. (1986). The case for shared nothing. *Database Engineering*, 9:4–9.
- [Stonebraker et al., 2007] Stonebraker, M., Madden, S., Abadi, D. J., Harizopoulos, S., Hachem, N., and Helland, P. (2007). The end of an architectural era: (it's time for a complete rewrite). In *VLDB '07: Proceedings of the 33rd international conference on Very large data bases*, pages 1150–1160. VLDB Endowment.
- [Vaquero et al., 2009] Vaquero, L. M., Rodero-Merino, L., Caceres, J., and Lindner, M. (2009). A break in the clouds: towards a cloud definition. *SIGCOMM Comput. Commun. Rev.*, 39(1):50–55.

10.5. CS356. Programación de Video Juegos

- [Baecker et al., 2000] Baecker, R., Buxton, W., and Grudin, J. (2000). *Readings in Human-Computer Interaction: Toward the Year 2000*. The Morgan Kaufmann Series in Interactive Technologies. Morgan Kaufmann, 2nd edition edition.
- [Foley and van Dam, 1990] Foley, J. and van Dam, A. (1990). *Computer Graphics: Principles and Practice*. Addison-Wesley.
- [Hearn and Baker, 1994] Hearn, D. and Baker, M. P. (1994). *Computer Graphics in C*. Prentice Hall.
- [Llopis, 2006] Llopis, N. (2006). *C++ For Game Programmers*. Charles River Media, 2 edition edition.
- [Penton, 2002] Penton, R. (2002). *Data Structures for Game Programmers*. Muska & Lipman/Premier-Trade, 1st edition. Premier Press Game Development.
- [Sherrod, 2007] Sherrod, A. (2007). *Data Structures and Algorithms for Game Developers*. Charles River Media, 1 edition edition.

10.6. FG350. Liderazgo y Desempeño

- [Guardini, 1992] Guardini, R. (1992). *La Aceptación de Sí Mismo, Las Edades de la Vida*. Lumen, Buenos Aires.
- [Haecker, 1947] Haecker, T. (1947). *¿Qué es el Hombre?* Guadarrama.
- [Hesselbein, 1999] Hesselbein, F. (1999). *Leading Beyond the Walls*. Jossey Bass Publishers. The Drucker Foundation.
- [para el Desarrollo UCSP, 2006] para el Desarrollo UCSP, C. L. (2006). *Liderazgo*. Universidad Católica San Pablo.

10.7. FG211. Ética Profesional

- [Bilbao et al., 2006] Bilbao, G., Fuertes, J., and Guibert, J. M. (2006). *Ética para ingenieros*. Desclée De Brouwer. UCSP:174.962 B55.
- [Foley and Pastore, 2002] Foley, J. P. and Pastore, P. (2002). *Ética en Internet*. Pontificio Consejo para las Comunicaciones Sociales.
- [Hernández-Baqueiro, 2006] Hernández-Baqueiro, A. (2006). *Ética actual y profesional. Lecturas para la convivencia global en el siglo XXI*. International Thomson Editores, S.A., México. UCSP:174.4 H44.
- [IEEE, 2013] IEEE (2013). *IEEE Code of Ethics*. IEEE. http://www.ieee.org/about/ethics_code/index.html.
- [Schmidi, 2006] Schmid, E. (2006). *Ética y negocios para América Latina*. Universidad del Pacífico, Lima-Perú, 3ra edición edition. UCSP:174.4 S29.