

**Department of Electrical
Engineering**
Undergraduate Studies
List of Textbooks and Reference Books

הפקולטה להנדסת חשמל
לימודי הסמכה

רשימת ספרי לימוד וספרי עזר

2008 - 2009

לשנת תשס"ט

Introduction to Software Systems

044101 - מבוא למערכות תכנה

1. Kernighan, B.W., Ritchie, D.M. The C Programming Language. 2nd ed. Prentice-Hall, 1988.
s.n.2053482 - 2nd ed., 1988.
s.n.1472 – 1978.
2. Wang, P.S. An Introduction to UNIX with X and the Internet. PWS Pub. Co., 1997.
s.n. 2185688.
3. Standish, T.A Data Structures, Algorithms and Software Principles in C. Addison-Wesley, 1995. s.n. 2189052.
4. Lippman, S.B., Lajoie, J. C++ primer. 4th ed. Addison-Wesley, 2005.
s.n. 2267264 – 4th ed., 2005.
s.n. 2196517 – 3rd ed., 1998.
5. Stroustrup, B. The C++ programming language. Special 3rd ed. Addison-Wesley, 2000.
s.n. 2264758- special 3rd ed., 2000.
s.n. 2183451 - 3rd ed., 1997.
s.n. 2123970 -2nd ed., 1991.

Theory of Electronic Circuits

044105 – תורת המעגלים החשמליים

1. Desoer, C.A., Kuh, E.S. Basic Circuit Theory. McGraw-Hill, 1969. s.n.1453.
2. Nahvi, M., Edminister, J. A. Schaum's outline of theory and problems of electric circuits. McGraw-Hill, 2003. s.n. 2243750.
3. Chua, L.O., Desoer, C. A., Kuh, E.S. Linear and Nonlinear Circuits. McGraw-Hill, 1987. s.n.2028394.
4. Nilsson, J.W., Riedel, S.A. Electric Circuits. 7th ed. Prentice-Hall, 2005.
s.n. 2264608 – 7th ed., 2005.
s.n. 2232541 – 6th ed, 2001.
5. Mayergoyz, I.D., Lawson, W., Basic Electric Circuit Theory: A One-Semester Text. Academic Press, 1997. s.n. 2225657.

Introduction to Electrical Engineering

044109 – מבוא להנדסת חשמל

1. Smith, Ralph J. Circuits, devices, and systems: a first course in electrical engineering. 5th ed. Wiley, 1992.
s.n. 2126685 – 5th ed., 1992.
s.n. 34140 - 4th ed., 1984.
2. Siebert, W. M. Circuits, signals, and systems. MIT Press, 1986. s.n. 2001486.
3. Desoer, C.A., Kuh, E.S. Basic Circuit Theory. McGraw-Hill, 1969. s.n.1453.

Discrete Mathematics

044114 – מתמטיקה דיסקרטית ח'

1. Graham, R.L. Knuth, D.E., Patashnik, O., Concrete Mathematics: a Foundation for Computer Science. 2nd ed. Addison-Wesley, 1994. s.n. 2154245.
2. ליניאל, נתי, מיכל פרנס מתמטיקה בדידה, נ. בן-צבי מפעלי דפוס, 2001.
מ.מ. 2236696 -2001.

Semiconductor Devices

044127 - יסודות התקני מוליכים

למחצה

1. Pierret, R.F. Semiconductor Device Fundamentals. Addison-Wesley, 1996. s.n. 2176971.
 2. בר-לב, א. מוליכים למחצה והתקנים אלקטרוניים. הוצאת מכלול, 1990. מ.מ. 2120106, מ.מ. 1512.
 3. בר-לב, א., גולן, ג. התקנים מוליכים למחצה ומיקרואלקטרוניקה. האוניברסיטה הפתוחה, 2000. מ.מ. 2214585.
 4. בר-לב, א., גולן, ג. מוליכים למחצה. האוניברסיטה הפתוחה, 1997. מ.מ. 2185641.
5. Bar-Lev, A, Semiconductor and Electronic Device. 3rd ed. Prentice-Hall, 1993. s.n. 2134816 – 3rd ed., 1993. s.n. 69551 – 2nd ed., 1984.
6. Sze, S.M., Semiconductor Devices, Physics and Technology. 2nd ed. Wiley, 2002. s.n. 2238104.
7. Dimitrijevic, S. Understanding Semiconductor Devices. Oxford University Press, 2000. s.n. 2255247.
8. Singh, J. Semiconductor Devices: An Introduction. McGraw-Hill, 1994. s.n. 2149870.
9. Shur, M. Physics of Semiconductor Devices. Prentice-Hall, 1990. s.n. 2107890.
10. Kano, K. Semiconductor Devices. Prentice-Hall, 1998. s.n. 2195470.
11. Neamen, D.A. Semiconductor Physics and Devices: Basic Principles. 3rd ed. Irwin, 2003. s.n. 2245043 – 3rd ed., 2003. s.n. 2190829 – 2nd ed., 1997. s.n. 2130838 – 1st ed., 1992.

Introduction to Solid State Physics

044129 - מבוא לפיסיקה של מצב

מוצק

1. Ashcroft, N.W., Mermin, D. Solid State Physics. Holt, Rinehart and Winston, 1976. s.n. 1384.
2. Cohen-Tannoudji, C, Diu, B., Laloe, F., Quantum Mechanics. Wiley, 1977. s.n. 1200.
3. Kittel, Ch. Introduction to Solid State Physics. 8th ed., Wiley, 2005. s.n. 2266444 – 8th ed., 2005. s.n. 2170524 – 7th ed., 1996. s.n. 2009594 – 6th ed., 1986.
4. Yu, P. Y., Cardona, M. Fundamentals of Semiconductors: Physics and Materials Properties. 3rd ed. Springer, 2001. s.n. 2229707.
5. Kroemer, H. Quantum mechanics: for engineering, materials science, and applied physics. Prentice-Hall, 1994. s.n. 2150405.
6. McKelvey, J.P. Solid State and Semiconductor Physics. Krieger, 1986. s.n. 213434, s.n. 2001625.

Signals and Systems

044130 – אותות ומערכות

1. Oppenheim, A.V., Willsky, A.S. Signals & Systems. 2nd ed. Prentice-Hall, 1997. s.n. 2176293.
2. Soliman, S. S., Srinath, M.D. Continuous and Discrete Signals and Systems. 2nd ed. Prentice-Hall, 1998. s.n. 2195517.
3. Kwakernaak, H., Sivan, R. Modern Signals and Systems. Prentice-Hall, 1991. s.n. 2095632.

Electromagnetic Fields

044140 – שדות אלקטרומגנטיים

1. שיבר, ד. שדות אלקטרומגנטיים – הטכניון, הפקולטה להנדסת חשמל. מ.מ. 2255504, מ.מ. 2215030.
2. Schieber, D., Schachter, L., Electromagnetic Fields. Lecture Notes, Dept. of Electr. Eng., Technion, 2002. s.n. 2246973.
3. Haus, H.A., Melcher, J.R. Electromagnetic Fields and Energy. Prentice-Hall, 1989. s.n. 2080241.
4. Johnk C.T.A. Engineering Electromagnetic Fields and Waves. 2nd ed. Wiley, 1988. s.n. 2043984- 2nd ed., 1988. s.n. 1423 -1st ed., 1975.

Linear Electronic Circuits

044142 – מעגלים אלקטרוניים
לינאריים

1. Sedra, A.S., Smith, K.C. Microelectronic Circuits. 5th ed. Oxford University Press, 2004.
s.n. 2262042 – 5th ed., 2004.
s.n. 2186711 – 4th ed., 1998.
s.n. 2108555 – 3rd ed., 1991.
2. Analysis and Design of Analog Integrated Circuits. Gray, P.R. et al. 4th ed. Wiley, 2001.
s.n. 2227123 – 4th ed., 2001.
s.n. 2129582 – 3rd ed., 1993.
3. מעגלים מיקרואלקטרוניים. אוניברסיטה פתוחה, 1989. מ.מ. 2064370.

Digital Systems

044145 – מערכות ספרתיות

1. Ward, S.A., Halstead, R.H., Jr. Computation Structures. MIT Press, 1990.
s.n. 2092721.
2. Kohavi, Z. Switching and Finite Automata Theory. 2nd ed. McGraw-Hill, 1978.
s.n. 1929 – 2nd ed., 1978.

Electronic Switching Circuits

044147 – מעגלי מיתוג אלקטרוניים

1. Hodges, D.A., Jackson, H.G. Analysis and Design of Digital Integrated Circuits. 3rd ed. McGraw-Hill, 2004.
s.n. 2264196 -3rd ed., 2004.
s.n. 2064427-2nd ed., 1988.
2. Rabaey, Y.M. Digital Integrated Circuits: A Design Perspective. 2nd ed. Prentice-Hall, 2002.
s.n. 2264129 – 2nd ed., 2002.
s.n. 2207265 – 1st ed., 1996.
3. Sedra, A.S., Smith, K.C. Microelectronic Circuits. 5th ed. Oxford University Press, 2004.
s.n. 2262042 – 5th ed., 2004.
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4. מעגלים מיקרואלקטרוניים. אוניברסיטה פתוחה, 1989. מ.מ. 2064370.
5. Sutherland, I., Sproull, R., Harris, D. Logical Effort: Designing Fast CMOS Circuits. Morgan Kaufmann, 1999. s.n. 2210358.

Waves and Distributed Systems

044148 – גלים ומערכות מפולגות

1. Ramo, S., Whinnery, J.R., Duzer, van T. Fields and Waves in Communication Electronics. 3rd ed. Wiley, 1994. s.n. 2158077
2. Johnk, C.T.A. Engineering Electromagnetic Fields and Waves. 2nd ed. Wiley, 1988. s.n. 2043984.
3. קורי, ח. גלים ומערכות מפולגות. מכלול, 1976. מ.מ. 1742.

Control Systems 1

מערכות בקרה 1 – 044191

- Franklin, G.F., Powell, J. D., Emami-Naeini, A. Feedback Control of Dynamic Systems. 5th ed. Prentice-Hall, 2006.
s.n. 2278830 – 5th ed., 2006. s.n. 2238224 – 4th ed., 2002.
s.n. 2148361 – 3rd ed., 1994. s.n. 2135395 – 2nd ed., 1991.
- Dorf, R.C., Bishop, R.H. Modern Control Systems. 11th ed. Prentice-Hall, 2008.
s.n. 2296077 – 11th ed., 2008.
s.n. 2268694 -10th ed., 2005.
s.n. 2229708 – 9th ed., 2001.
s.n. 2189945 – 8th ed., 1998.
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- D'Azzo, J.J., Houpis, C.H. Linear control system analysis and design with MATLAB. 5th ed., McGraw-Hill, 2003.
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s.n. 2213098 – 7th ed., 1995.
- Nise, N.S. Control Systems Engineering. 4th ed. Wiley, 2004.
s.n. 2029936 – 4th ed., 2004. s.n. 2219042 – 3rd ed., 2000.
- Kailath, T. Linear Systems. Prentice-Hall, 1980. s.n. 1422.
- Goodwin, G. C. Control system design. Prentice-Hall, 2001. s.n. 2224337.

Control Systems 2

מערכות בקרה 2 – 044192

- Kailath, T. Linear Systems. Prentice-Hall, 1980. s.n. 1422.
- Friedland, B. Control System Design. McGraw-Hill, 1986. s.n. 2025680.
- Phillips, C. L., Nagle, H. T. Digital Control System Analysis and Design. 3rd ed. Prentice-Hall, 1995.
s.n. 2161436 – 3rd ed., 1995. s.n. 2093594 – 2nd ed., 1990.

Introduction to Digital Signal

מבוא לעיבוד ספרתי של

Processing

אותות

- Porat, B. A Course in Digital Signal Processing. Wiley, 1997.
s.n. 2176340 - 1997. s.n. 2166262 - 1995.
- Oppenheim, A.V., Willsky, A.S., Nawab, S.H. Signals and Systems. 2nd ed. Prentice-Hall, 1997.
s.n. 2176293 – 2nd ed., 1997. s.n. 13843 – 1st ed., 1983.
- Oppenheim, A.V., Schaffer R.W. Discrete-Time Signal Processing. 2nd ed. Prentice-Hall-Int., 1999.
s.n. 2201420 - 2nd ed., 1999.
s.n. 2107953 – 1st ed., 1989.

Random Signals

אותות אקראיים – 044202

- Davenport, W.B. Probability and Random Processes. McGraw-Hill, 1970. s.n. 1442
- Papoulis, A. Probability, Random Variables, and Stochastic Processes. 4th ed. McGraw-Hill, 2001.
s.n. 2240547 – 4th ed., 2001.
s.n. 2111164 - 3rd ed., 1991.
s.n. 227826 - 2nd ed., 1984.
- Ross, S.M. Introduction to Probability Models. 9th ed. Academic Press, 2007.
s.n. 2289098 - 9th ed., 2007.
s.n. 2253618 – 8th ed., 2003.
s.n. 2213474 - 7th ed., 2000.
s.n. 2183460 – 6th ed., 1997.

Receiving and Transmitting Techniques

טכניקות קליטה ושידור – 044214

1. Hayward, W.H. Introduction to Radio Frequency Design. Prentice-Hall, 1982. s.n.211511.
2. Ha, T.T. Solid-State Microwave Amplifier Design. Wiley-Interscience, 1981. s.n.204669.
3. Carson, R.S. High-Frequency Amplifiers. 2nd ed. Wiley-Interscience, 1982. s.n.211323 - 2nd ed., 1982. s.n.2125750 – 1st ed., 1975.

Electron Devices 1 (MOS)

(MOS) 1 התקנים אלקטרוניים – 044231

1. Cobbold, R.C. Theory and Applications of Field Effect Transistors. (chs. 6;7). Wiley-Interscience, 1970. s.n. 1198.
2. Grove, A.S. Physics and Technology of Semiconductor Devices. Wiley, 1967. s.n. 1433.
3. Tsividis, Y.P. Operation and Modeling of the MOS Transistor. Oxford University Press, 1999. s.n. 2254952 – 2nd ed., 1999. s.n. 2100149- 1st ed., 1987.
4. Sze, S.M. Physics of Semiconductor Devices. 3rd ed. Wiley, 2007. s.n. 2284483 – 3rd ed., 2007. s.n. 205744 – 2nd ed., 1981. s.n. 215372 – 1st ed., 1969.
5. Taur, Y., Hing, T.H. Fundamentals of Modern VLSI Devices. Cambridge University Press, 1998. s.n. 2210492.
6. Pierret, R.F. Semiconductor Device Fundamentals. Addison-Wesley, 1996. s.n. 2176971.
7. Greve, D.W. Field Effect Devices and Applications: Devices for Portable, Low Power, and Imaging Systems. Prentice-Hall, 1998. s.n. 2230855.
8. Modern Semiconductor Device Physics. Edited by Sze, S.M. Wiley-Interscience, 1998. s.n. 2190405.
9. Weste, N. H. E., Harris, D. F. CMOS VLSI design: a circuits and systems perspective. 3rd ed. Addison Wesley, 2005. s.n. 2273032 – 3rd ed., 2005 s.n. 2151035 – 2nd ed., 1993.

Microelectronic Processing

תהליכים – 044239

במיקרואלקטרוניקה

1. Wolf, S., Tauber, R.N. Silicon Processing for the VLSI era. 2nd ed., Lattice Press, 2000. s.n. 2236523 – 2nd ed., 2000. s.n. 2039554 – 1st ed., 1986.
2. VLSI Technology. Edited by Sze, S.M. 2nd ed. McGraw-Hill, 1988. s.n. 2082745 – 2nd ed., 1988.
3. Ruska, W.S. Microelectronic Processing: An Introduction to the Manufacture of Integrated Circuits. McGraw-Hill, 1987. s.n. 2032951.
4. Jaeger, R. Introduction to Microelectronic Fabrication. Prentice-Hall, 2002. s.n. 2242105 – 2nd ed., 2002. s.n. 2094231 – 1st ed., 1988.
5. Campbell, S.A. The Science and Engineering of Microelectronic Fabrication. 2nd ed. Oxford Univ. Press, 2001. s.n. 2257248 – 2nd ed., 2001. s.n. 2180365 – 1st ed., 1996.
6. Plummer, J.D., Deal, M., Griggin, P.B. Silicon VLSI Technology: Fundamentals, Practice and Modeling. Prentice-Hall, 2000. s.n. 2213215.
7. Grove, A.S. Physics and Technology of Semiconductor Devices. Wiley, 1967. s.n.1433.

Logic Design

044262 – תכן לוגי ומבוא למחשבים

1. Ward, S.A., Halstead, R.H., Jr. Computation Structures. MIT Press, 1990.
s.n. 2092721.
2. Patterson, D.A., Hennessy, J.H. Computer Organization and Design: The Hardware / Software Interface. 3rd ed., Morgan Kaufmann, 2005.
s.n. 2263805 – 3rd ed., 2005.
s.n. 2187609 – 2nd ed., 1998.

Introduction to Data Structures and Algorithms

**044268 – מבוא למבני נתונים
ואלגוריתמים**

1. Cormen, T.H., Leiserson, C.E., Rivest, R.L. Introduction to Algorithms. 2nd ed., MIT Press, 2001.
s.n. 2232918 – 2nd ed., 2001.
s.n. 2099273 – 1st ed., 1990.
2. קורמן, ת. מבוא לאלגוריתמים. האוני' הפתוחה, 1998. מ.מ. 2196197.

Introduction to Computer Networks

044334 – מבוא לרשתות מחשבים

1. Bertsekas, D.P., Gallager R. Data Networks. 2nd ed. Prentice-Hall, 1992.
s.n. 2131675 – 2nd ed., 1992. s.n. 2024609 – 1st ed., 1987.
2. Tanenbaum, A.S. Computer Networks. 4th ed. Prentice-Hall, 2003.
s.n. 2245104 – 4th ed, 2003. s.n. 2171537 - 3rd ed., 1996.
3. רשתות תקשורת מחשבים. טננבאום א. ואחרים. האוניברסיטה הפתוחה, 1994. מ.מ. 2162444.

Electro-Optic Devices

044339 – אלקטרואופטיקה 1

1. Yariv, A., Yeh, P. Photonics: optical electronics in modern communications. 6th ed. Oxford University Press, 2007. s.n. 2290538
2. Yariv, A. Optical Electronics in Modern Communications. 5th ed. Oxford Univ. Press, 1997. s.n. 2172085.

Microprocessors

044800 – מיקרומחשבים

1. Brey, B.B. The Advanced Intel Microprocessors – 80286/80386/80486. Maxwell MacMillan, 1993. s.n. 2158905.
2. Anderson, D., Dzatko, D. Universal Serial Bus System Architecture. 2nd ed. Addison-Wesley, 2001. s.n. 2231426.
3. INTEL. IA-32. Intel Architecture Software Developer's Manual. V. 1, 2, 3. Intel, 2003. s.n. 2254372.

Integrated Power Devices

045232 - התקני הספק משולבים

1. Mohan, N., Undeland, T. M., Robbins, W. P. Power Electronics: Converters, Applications, and Design. 3rd ed. Wiley, 2003.
s.n. 2298778 – 3rd ed., 2003. s.n. 2087112 – 1st ed., 1989.
2. Benda, V., Grant, D.A. Gowar, J. Discrete and Integrated Power Semiconductor Devices: Theory and Applications. Wiley, 1998. s.n. 2298779.
3. Sze, S.M. Physics of Semiconductor Devices. 3rd ed. Wiley, 2007.
s.n. 2284483 – 3rd ed., 2007.
s.n. 205744 – 2nd ed., 1981.

Internet: Protocols and Architecture

046000 – אינטרנט: ארכיטקטורה

ופרוטוקולים

1. Comer, D.E. Internetworking with TCP/IP. Vol. 1: Principles, Protocols, and Architecture. 5th ed. Prentice-Hall, 2006.
s.n. 2274168 – 5th ed., 2006.
s.n. 2214967 – 4th ed., 2000.
s.n. 2176121 – 3rd ed., 1995.
2. Huitema, C. Routing in the Internet. 2nd ed. Prentice-Hall, 2000.
s.n. 2218727 – 2nd ed., 2000.
s.n. 2166443 – 1st ed., 1995.

3. Stevens, W.R. TCP/IP illustrated. Addison-Wesley, 1994. s.n. 2151702.

Design and Analysis of Algorithms

תכן וניתוח אלגוריתמים – 046002

1. Cormen, T.H., Leiserson, C.E., Rivest, R.L. 2nd ed., Introduction to Algorithms. MIT Press, 2001.
s.n. 2232918 – 2nd ed., 2001. s.n. 2099273 – 1st ed., 1990.
2. קורמן, ת. מבוא לאלגוריתמים. האוני' הפתוחה, 1998. מ.מ. 2196197.
3. Sipser, M. Introduction to the theory of computation. 2nd ed. Thomson/Course Technology, 2006.
s.n. 2270984 – 2nd ed., 2006.
s.n. 2189950 – 1st ed., 1997.
4. Garey, M.R., Johnson, D.S. Computers and Intractability: A Guide to Theory of NP-Completeness. Freeman, 1979. s.n.73033
5. Kleinberg, J. Algorithm design. Pearson/Addison-Wesley, 2006.s.n. 2271029.

Introduction to Organic Materials and Devices

מבוא לרכיבים וחומרים אורגניים – 046012

1. Turro, N.J. Modern Molecular Photochemistry. Univ. Science Books, 1991.
s.n. 2212512.
2. Pope, M., Swenberg, C.E. Electronic Processes in Organic Crystals and Polymers. 2nd ed. Oxford Univ. Press, 1999. s.n. 2214720.
3. Lampert, M.A., Mark, P. Current injection in solids. Academic Press, 1970.
s.n. 2074375.

Biological Neural Networks: Computation

רשתות עצביות ביולוגיות – 046041

1. Dayan, P., Abbott, L.F. Theoretical neuroscience: Computational and mathematical modeling of neural systems. MIT Press, 2001. s.n. 2244343.
2. Koch, C. Biophysics of computation: Information processing in single neurons. Oxford Univ. Press, 1999. s.n. 2205816.
3. Gerstner, W., Kistler, W. M. Spiking neuron models: single neurons, populations, plasticity. Cambridge University Press, 2002. s.n. 2247485.
4. Izhikevich, E. M. Dynamical systems in neuroscience: the geometry of excitability and bursting. MIT Press, 2007. s.n. 2286471.

Analogic Circuits Design

תכן מעגלים אנלוגיים – 046187

1. ארבל, א. תכנון מתקדם של מעגלים לינאריים. מהד' ג'. מכלול, 1987.
מ.מ. 2034071 – מהד' ג', 1987.
מ.מ. 14825 – מהד' ב', 1982.
2. Arbel, Arie F. Analog signal processing and instrumentation. Cambridge University Press, 1980. s.n. 1380.
3. Razavi, B. Design of Analog CMOS Integrated Circuits. McGraw-Hill, 2001.
s.n.2227194.

Design of Active Networks

תכן מסננים אקטיביים – 046189

1. Huelsman, L.P., Allen, P.E. Introduction to the Theory and Design of Active Filters. McGraw – Hill, 1980. s.n. 311.
2. Kardontchik, L.E. Introduction to the Design of Transconductor-Capacitor Filters. Kluwer, 1992. s.n. 2128151.

Machine Learning

046195 – מערכות לומדות

1. Duda, R. O. Pattern classification. Wiley-Interscience, 2001. s.n. 2217905.
2. Bishop, C. M. Pattern recognition and machine learning. Springer, 2006. s.n. 2282368.
3. Alpaydin, E. Introduction to machine learning. MIT Press, 2004. s.n. 2271002.
4. Hastie, T. J., Tibshirani, R. J., Friedman, J. H. The elements of statistical learning: data mining, inference, and prediction. Springer, 2001. s.n. 2235826.
5. Mitchell, T.M. Machine Learning. McGraw-Hill, 1997. s.n. 2186354.

Computational Methods in

046197 – שיטות חישוביות

Optimization

באופטימיזציה

Boyd, S. P., Vandenberghe, L. Convex optimization. Cambridge University Press, 2004. s.n. 2262155.

Image Processing and Analysis

046200 - עבוד וניתוח תמונות

1. Jain, A. K. Fundamentals of Digital Image Processing. Prentice-Hall, 1989. s.n. 2065704.
2. Gonzalez, R.C., Woods, R.E. Digital Image Processing. 3rd ed. Addison-Wesley, 2007. s.n. 2279936 – 3rd ed., 2007. s.n. 2238212 – 2nd ed., 2002. s.n. 21283329 – 1st ed., 1992.
3. Gonzalez, R.C. Digital Image Processing Using MATLAB. Prentice-Hall, 2004. s.n. 2259287.

4. אלעד, מ. עיבוד וניתוח תמונות, 1999. מ.מ. 2226345.

Introduction to Random Signal

046201 – מבוא לעיבוד אותות

Processing

אקראיים

1. Porat, B. Digital Processing of Random Signal: Theory and Methods. Prentice-Hall, 1994. s.n. 2144342.
2. Kay, Steven M. Fundamentals of statistical signal processing. Vol.1. Prentice-Hall, 1993-1998. s.n. 2157997.
3. Papoulis, A. Pillai, S.U. Probability, Random Variables, and Stochastic Processes. 4th ed., McGraw-Hill, 2002. s.n. 2240547 – 4th ed., 2002. s.n. 2111164 – 3rd ed., 1991.

Analog Communication

046204 - תקשורת אנלוגית

1. Stremmer, F.G. Introduction to Communication Systems. Addison-Wesley, 1990. s.n. 2264620 – 3rd ed., 1990. s.n.1857 - 1977.
2. Carlson, A.B., Crilly, P., Rutledge, J. Communication Systems: An Introduction to Signal and Noise in Electrical Communication. 4th ed. McGraw-Hill, 2002. s.n. 2237756 – 4th ed., 2002. s.n. 2004433 - 3rd ed., 1986.

Introduction to Coding Theory in

046205 – מבוא לתורת הקידוד

Communication

בתקשורת

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