

論文目次

- [1] Shintaro Uda, Yasuto Mushiake, and Saburo Adachi, "Theoretical Upper Limit of the Gain of a Half-wave Antenna Array," Sci. Rep. Research Institute of Electrical Communication, Tohoku Univ., B, vol.6, no.1, pp.31-43, March 1954.
- [2] 宇田 新太郎, 虫明 康人, 安達 三郎, "完全半波空中線を Collinear に排列した場合の利得の極限值," 電気通信学会雑誌, vol.37, no.8, pp.537-539, 昭29-8.
- [3] James R. McDougal, Saburo Adachi, and Yasuto Mushiake, "Rolled Triangular-Sheet Antennas," Sci. Rep. Research Institute of Electrical Communication, Tohoku Univ., B, vol.8, no.3, pp.125-132, Dec. 1956.
- [4] Saburo Adachi, James R. McDougal and Yasuto Mushiake, "Super Loop Antenna," Sci. Rep. Research Institute of Electrical Communication, Tohoku Univ., B, vol.9, no.1, pp.1-8, May 1957.
- [5] Saburo Adachi and Yasuto Mushiake, "Theoretical Formulation for Circular Loop Antennas by Integral Equation Method," Sci. Rep. Research Institute of Electrical Communication, Tohoku Univ., B, vol.9, no.1, pp.9-18, May 1957.
- [6] Saburo Adachi and Yasuto Mushiake, "Studies of Large Circular Loop Antennas," Sci. Rep. Research Institute of Electrical Communication, Tohoku Univ., B, vol.9, no.2, pp.79-103, Sept. 1957.
- [7] Saburo Adachi and Yasuto Mushiake, "Directive Loop Antennas," Sci. Rep. Research Institute of Electrical Communication, Tohoku Univ., B, vol. 9, no.2, pp.105-112, Sept. 1957.
- [8] Saburo Adachi, R. G. Kouyoumjian, and R. G. Van Sickle, "The Finite Conical Antenna," IRE Trans. Antennas Propagat., vol. AP-7, Special Supplement, pp.S406-S411, Dec. 1959.
- [9] Saburo Adachi, "Impedance Characteristics of a Uniform Current Loop Having a Spherical Core," J. Research of National Bureau of Standards-D, vol. 64D, no.3, pp.295-300, May-June 1960.
- [10] Saburo Adachi and E. M. Kennaugh, "The Analysis of a Broad-Band Circular Polarizer Including Interface Reflections," IRE Trans. Microwave Theory Tech., vol. MTT-8, no.5, pp.520-525, Sept. 1960.
- [11] Saburo Adachi, "A Theoretical Analysis of Semi-Infinite Conical Antennas," IRE Trans. Antennas Propagat., vol. AP-8, no.6, pp.534-547, Nov. 1960.

- [12] Saburo Adachi, R. C. Rudduck, and C. H. Walter, "A General Analysis of Nonplanar, Two-Dimensional Luneberg Lenses," IRE Trans. Antennas Propagat., vol. AP-9, no.4, pp.353-357, July 1961.
- [13] Saburo Adachi, "Scattering Pattern of a Plane Wave from a Magneto-Plasma Cylinder," IRE Trans. Antennas Propagat., vol. AP-10, no.3, p.352, 1962.
- [14] Saburo Adachi and Yasuto Mushiake, "On VLF Emissions in the Exosphere," IRE Trans. Antennas Propagat., vol. AP-10, no.6, Nov. 1962.
- [15] Saburo Adachi and Yasuto Mushiake, "Surface Wave on a Perfectly Conducting Plane Covered with Magnetoplasma," IEEE Trans. Microwave Theory Tech., vol. MTT-12, no.5, Sept. 1964.
- [16] Saburo Adachi and Yasuto Mushiake, "Surface Waves Along a Perfectly Conducting Plane Covered With Semi-Infinite Magneto-Plasma," Radio Sci., J. Research NBS/USNC-URSI, vol.69D, no.2, pp.171-175, Feb. 1965.
- [17] Saburo Adachi, "Study on the Guiding Mechanism of Whistler Radio Waves," Radio Sci., J. Research NBS/USNC-URSI, vol.69D, no.4, pp.493-502, April 1965.
- [18] 安達 三郎, 虫明 康人, 笠原 猛, 斎藤 五一, "ループ指向性アンテナの諸特性とその広帯域化," 電気通信学会雑誌, vol.48, no.4, pp.720-724, 昭40-4.
- [19] Saburo Adachi, "The Nose-On Echo Area of Axially Symmetric Thin Bodies Having Sharp Apices," Proc. IEEE, vol.53, no.8, pp.1067-1068, Aug. 1965.
- [20] 上崎 省吾, 安達 三郎, 虫明 康人, "誘電率が折線状に変化する媒質中における電波伝搬理論ならびにモデル実験," 電気通信学会雑誌, vol.49, no.4, pp.709-716, 昭41-4.
- [21] Saburo Adachi, "Theory of Duct Propagation of Whistler Radio Waves," Radio Sci., vol.1 (New Series), no.4, pp.671-678, April 1966.
- [22] Shogo Kozaki, Saburo Adachi and Yasuto Mushiake, "Theory and Model Experiment on Radio Propagation in a Stratified Medium," Sci. Rep. Research Institute of Electrical Communication, Tohoku Univ., B, vol.19, no.1, pp.17-39, 1967.
- [23] 伊藤 洋, 安達 三郎, 虫明 康人, "不均質円柱状プラズマによる電磁波の散乱," 電子通信学会雑誌, vol.50, no.11, pp.2169-2170, 昭42-11.
- [24] 安達 三郎, "異方性円柱状プラズマに関する大久保氏の論文に対する討論," 電子通信学会論文誌 B, vol. 51-B, no.12, p.596, 昭43-12.

- [25] 室本 弘道, 虫明 康人, 安達 三郎, “浮遊球モデル伝搬路によるフェージング率の測定,” 電子通信学会論文誌 B, vol. 52-B, no.1, pp.16-20, 昭44-1.
- [26] 安達 三郎, 虫明 康人, “圧縮性プラズマ中のアンテナ電流分布 — プラズマ波の放射を伴う複素表面波 —,” 電子通信学会論文誌 B, vol.52-B, no.2, pp.108-109, 昭44-2.
- [27] 室本 弘道, 虫明 康人, 安達 三郎, “折れ線近似山陵による回折電界強度とその変動,” 電子通信学会論文誌 B, vol.52-B, no.3, pp.122-129, 昭44-3.
- [28] 笠原 猛, 安達 三郎, 虫明 康人, “起電力法による終端負荷ループアンテナのインピーダンスの計算,” 電子通信学会論文誌 B, vol.52-B, no.3, pp.143-150, 昭44-3.
- [29] Saburo Adachi, Takeshi Kasahara, and Yasuto Mushiake, “A Loop Antenna in a Compressible Plasma,” IEEE Trans. Antennas Propagat., vol. AP-17, no.3, pp.396-398, May 1969.
- [30] Takayuki Ishizone, K. Taira, Saburo Adachi, and Yasuto Mushiake, “Sheath Effects on the Current Distribution along an Antenna in a Plasma,” IEEE Trans. Antennas Propagat., vol. AP-17, no.3, pp.398-400, May 1969.
- [31] Takayuki Ishizone, Saburo Adachi, K. Taira, Yasuto Mushiake, and K. Miyazaki, “Measurement of Antenna Current Distribution in an Anisotropic Plasma,” IEEE Trans. Antennas Propagat., vol. AP-17, no.5, pp.678-679, Sept. 1969.
- [32] Saburo Adachi, Takeshi Kasahara, and Yasuto Mushiake, “Receiving Antennas in a Compressible Plasma,” IEEE Trans. Antennas Propagat., vol. AP-18, no.3, pp.439-441, May 1970.
- [33] 石曾根 孝之, 安達 三郎, 虫明 康人, “プラズマ中におけるアンテナ電流分布の測定,” 電子通信学会論文誌 B, vol.53-B, no.6, pp.309-315, 昭45-6.
- [34] Takayuki Ishizone, Saburo Adachi, and Yasuto Mushiake, “Electromagnetic Wave Propagation Along a Conducting Wire in a General Magnetoplasma,” Proc. IEEE, vol.58, no.11, pp.1843-1844, Nov. 1970.
- [35] Takayuki Ishizone, Saburo Adachi, and Yasuto Mushiake, “Measurement of the Phase Constant along a Conducting Wire in a Magnetoplasma,” Proc. IEEE, vol.58, no.11, pp.1852-1854, Nov. 1970.
- [36] 笠原 猛, 安達 三郎, 虫明 康人, “等方圧縮性プラズマ内の円形ループアンテナの放射特性,” 電子通信学会論文誌 B, vol.54-B, no.2, pp.61-68, 昭46 2.

- [37] 石曾根 孝之, 安達 三郎, 虫明 康人, “任意方向に磁化した異方性プラズマ中の無限長導線に沿う電磁波の伝搬定数,” 電子通信学会論文誌 B, vol.54-B, no.7, pp.412-418, 昭46-7.
- [38] 安達 三郎, 虫明 康人, 水島 武雄, “任意方向に最大利得を与える球モード分布,” 電子通信学会論文誌 B, vol.54-B, no.11, pp.768-769, 昭46-11.
- [39] 安達 三郎, 笠原 猛, 虫明 康人, “等方圧縮性プラズマ中のアンテナの受信特性,” 電子通信学会論文誌 B, vol.55-B, no.5, pp.220-225, 昭47-5.
- [40] 安達 三郎, 石曾根 孝之, 虫明 康人, “磁化プラズマ中のアンテナと伝送線路との類推について,” 電子通信学会論文誌 B, vol.55-B, no.9, pp.532-533, 昭47-9.
- [41] Takao Fujita, Toshiro Ohnuma, and Saburo Adachi, “Observation of Slowing-Down of Ion-Beam Velocity and Heating of Ions,” Phys. Lett., vol.42A, no.4, pp.319-320, Dec. 1972.
- [42] Toshiro Ohnuma, Takao Fujita, Shigeo Ohnuki, Y. Nakamura, and Saburo Adachi, “Observation of Amplitude Oscillation of Second-Harmonic Ion Acoustic Waves,” Phys. Rev., A, vol.8, no.2, pp.1002-1007, Aug. 1973.
- [43] 笠原 猛, 虫明 康人, 安達 三郎, “境界の硬さとシースを考慮した圧縮性プラズマ中のバイコンカルアンテナの解析,” 電子通信学会論文誌 B, vol.56-B, no.11, pp.470-477, 昭48-11.
- [44] Toshiro Ohnuma, Takao Fujita, and Saburo Adachi, “Controlled Excitation of Ion Acoustic Waves by Ion Sheet Beams,” Phys. Rev. Lett., vol.31, no.19, pp.1177-1180, Nov. 1973.
- [45] 大貫 繁雄, 安達 三郎, “異方性プラズマ中のアンテナ相互インピーダンスの計算,” 電子通信学会論文誌 B, vol.57-B, no.1, pp.52-54, 昭49-1.
- [46] 石曾根 孝之, 澤谷 邦男, 安達 三郎, 虫明 康人, “ダイポールアンテナの電子プラズマ波に対する送受信指向性の測定,” 電子通信学会論文誌 B, vol.57-B, no.2, pp.129-134, 昭49-2.
- [47] 石曾根 孝之, 安達 三郎, 虫明 康人, “プラズマ波に関する可逆性とアンテナ受信電圧,” 電子通信学会論文誌, vol.57-B, no.2, pp.149-150, 昭49-2.
- [48] Toshiro Ohnuma, Shigeo Ohnuki, Takao Fujita, and Saburo Adachi, “Excitation of Pure Electron Plasma Waves by Modulated Electron Beams,” Phys. Rev. Lett., vol.32, no.15, pp.820-823, April 1974.
- [49] Toshiro Ohnuma, Y. Tamura, Takao Fujita, and Saburo Adachi, “Control of Radiation Patterns of Ion Acoustic Waves,” Radio Sci., vol.9, no.7, pp.697-700, July 1974.

- [50] Takayuki Ishizone, Kunio Sawaya, Saburo Adachi, and Yasuto Mushiake, "Measurements of the Transmitting and the Receiving Patterns of a Dipole Antenna for an Electron Plasma Wave," *IEEE Trans. Antennas Propagat.*, vol.AP-22, no.5, pp.662-666, Sept. 1974
- [51] 大沼 俊朗, 柴田 寛, 藤田 孝夫, 大貫 繁雄, 安達 三郎, "変調電子ビームを用いたプラズマ波の新しい励起法," *電子通信学会論文誌 B*, vol.58-B, no.7, pp.372-373, 昭50-7.
- [52] Toshiro Ohnuma, Hiromichi Izawa, and Saburo Adachi, "Radiation Characteristics of Ion Waves in a Weakly Magnetized Plasma," *Phys. Rev.*, A, vol.12, no.4, pp.1648-1652, Oct. 1975.
- [53] Takao Fujita, Toshiro Ohnuma, and Saburo Adachi, "Spatially Growing Waves in an Ion Beam-Plasma System," *Phys. Fluids*, vol.18, no.9, pp.1216-1218, Sept. 1975.
- [54] Shigeo Ohnuki, Toshiro Ohnuma, and Saburo Adachi, "Radiation and Reception Characteristics of an Electron Plasma Wave from Grid Antennas Having a D. C. Biased Parasitic Grid," *Int. J. Electronics*, vol.39, no.4, pp.385-392, Nov. 1975.
- [55] 伊藤 繁夫, 安達 三郎, "ゆらぎ媒質による電磁波の多重後方散乱理論," *電子通信学会論文誌 B*, vol.58-B, no.12, pp.651-657, 昭50-12.
- [56] Toshiro Ohnuma, Kan Shibata, and Saburo Adachi, "Excitation of Cylindrical Electron Bernstein Waves by Modulated Thin Electron Beams," *Radio Sci.*, vol.10, no.12, pp.1071-1075, Dec. 1975.
- [57] Toshiro Ohnuma, Takao Fujita, Kan Shibata, and Saburo Adachi, "Cylindrical Ion Wave Excited by a Modulated Thin Electron Beam," *Phys. Fluids*, vol.18, no.12, pp.1818-1820, Dec. 1975.
- [58] Toshiro Ohnuma, Takao Fujita, and Saburo Adachi, "Observation of an Obliquely Growing Mode in an Ion-Beam-Plasma System," *Phys. Rev. Lett.*, vol.36, no.9, pp.471-474, March 1976.
- [59] 安達 三郎, 木村 正一, 大貫 繁雄, 毛利 義広, 小野寺 大, "超電導アンテナの一実験," *電子通信学会論文誌 B*, vol.59-B, no.5, pp.299-300, 昭51-5.
- [60] 大沼 俊朗, 安達 三郎, "イオン波アンテナの相反性," *電子通信学会論文誌 B*, vol.59-B, no.5, pp.302-303, 昭51-5.
- [61] Shingo Ohmori, Toshiro Ohnuma, and Saburo Adachi, "Oblique Propagation of Electron Plasma Waves in a Magnetoplasma," *Radio Sci.*, vol.11, no.6, pp.531-537, June 1976.

- [62] Takayuki Ishizone, Saburo Adachi, and Yasuto Mushiake, "Reciprocity Relations in an Isotropic Compressible Multifluid Plasma," *J. Appl. Phys.*, vol.47, no.7, pp.2918-2922, July 1976.
- [63] Toshiro Ohnuma, Tsuneo Kuwabara, Kan Shibata and, Saburo Adachi, "Observation of Low-Frequency Resonance Cone," *Phys. Rev. Lett.*, vol.37, no.4, pp.206-209, July 1976.
- [64] Toshiro Ohnuma, Hisao Iwasaki, and Saburo Adachi, "Dipole Excitation of Ion Waves," *IEEE Trans. Antenna Propagat.*, vol.AP. 24, no.6, pp.901-902, Nov. 1976.
- [65] Toshiro Ohnuma and Saburo Adachi, "Reciprocity for Ion Waves in Plasma," *Proc. IEEE*, p.1734, Dec. 1976.
- [66] Toshiro Ohnuma, Tsuneo Kuwahara, Saburo Adachi, and Kan Shibata, "Oblique Propagation of Ion Waves near the Ion Cyclotron Frequency," *Phys. Rev., A*, vol.15, no.1, pp.392-396, Jan. 1977.
- [67] Saburo Adachi, Takayuki Ishizone, and Yasuto Mushiake, "Transmission Line Theory of Antenna Impedance in a Magnetoplasma," *Radio Sci.*, vol.12, no.1, pp.23-31, Jan.-Feb. 1977.
- [68] Shigeo Ito and Saburo Adachi, "Multiple Scattering Effect on Backscattering from a Random Medium," *IEEE Trans. Antennas Propagat.*, vol. AP-25, no.2, pp.205-208, March 1977.
- [69] Shigeo Ohnuki, Saburo Adachi, and Toshiro Ohnuma, "Experimental Investigations of Loop Antennas as an Electron Plasma Wave Radiator and Detector," *IEEE Trans. Antennas Propagat.*, vol. AP-25, no.4, pp.524-528, July 1977.
- [70] Toshiro Ohnuma, Kan Shibata, and Saburo Adachi, "Radiation of Electrostatic Plasma Waves near the Lower Hybrid Frequency," *Physical Review, A*, vol.16, no.1, pp.387-393, July 1977.
- [71] Takao Fujita, Toshiro Ohnuma, and Saburo Adachi, "Self-Oscillations Excited by Two Stream Ion-Ion Instability," *Plasma Physics*, vol.19, pp.875-887, Sept. 1977.
- [72] 大森 慎吾, 大沼 俊朗, 安達 三郎, "磁化プラズマ中の電子波の任意方向への放射と伝搬," *電子通信学会論文誌 B*, vol.60-B, no.10, pp.743-750, 昭52-10.
- [73] 大貫 繁雄, 安達 三郎, 大沼 俊朗, "電子プラズマ波に対する円板アンテナの厳密な指向性," *電子通信学会論文誌 B*, vol.60-B, no.10, pp.784-785, 昭52-10.

- [74] Saburo Adachi, "Comments on Calculation of the Radiation Resistance of Loop Antennas with Sinusoidal Current Distribution" *IEEE Trans. Antennas Propagat.*, vol.AP-25, no.6, pp.900-901, Nov. 1977.
- [75] Shigeo Ito and Saburo Adachi, "Spatial Correlation Function of Backscattered Field from Random Media," *Trans. IECE Japan*, vol. E60, no.11, pp.617-622, Nov. 1977.
- [76] Shigeo Ohnuki, Saburo Adachi, and Toshiro Ohnuma, "Theoretical Analysis on Radiation and Reception Characteristics of an Oblate Spheroidal Antenna for Electron Plasma Waves," *J. Appl. Phys.*, vol.49, no.1, pp.138-145, Jan. 1978.
- [77] Toshiro Ohnuma, Takao Fujita, and Saburo Adachi, "Two-Stream Ion-Ion Instability in an Axially Bounded Ion Beam Plasma System," *Phys. Fluids*, vol.21, no.9, pp.1551-1554, Sept. 1978.
- [78] Shingo Ohmori, Toshiro Ohnuma, and Saburo Adachi, "Angular Potential Patterns of Electrostatic Electron Cyclotron Waves Radiated from a Point Source," *Radio Sci.*, vol.13, no.6, pp.1053-1057, Nov.-Dec. 1978.
- [79] Toshiro Ohnuma, Yutaka Ogiwara, Shingo Ohmori, Saburo Adachi, and Koichi Hirayama, "Radiated Electron Bernstein Waves," *Phys. Fluids*, vol.22, no.1, pp.190-191, Jan. 1979.
- [80] Atsushi Hoyano, Shigeo Ohnuki, Saburo Adachi, and Toshiro Ohnuma, "Reasonance of a Wire Antenna Near the Lower Hybrid Frequency in an RF-Generated Magnetoplasma," *Proc. IEEE* vol.67, no.1, pp.170-171, Jan. 1979.
- [81] Toshiro Ohnuma, Shingo Ohmori, Shigeo Ohnuki, Saburo Adachi, Takao Fujita, Koichi Hirayama, and Yutaka Ogiwara, "Three-Dimensional Propagations of Electron Bernstein Waves," *J. Phys. Soc. Japan*, vol.46, no.4, pp.1340-1345, April 1979.
- [82] 安達 三郎, 芦田 和英, 大貫 繁雄, "超伝導ダイポールアレーアンテナ," *電子通信学会論文誌 B*, vol.63-B, no.9, pp.916-923, 昭55-9.
- [83] Shigeo Ohnuki and Saburo Adachi, "Radiation Impedances of Disc-Shaped Antennas for an Electron Plasma Wave," *IEEE Trans. Plasma Sci.*, vol. PS-9, no.1, pp.16-18, March 1981.
- [84] 謝 国章, 中田 和一, 鈴木 道也, 安達 三郎, "Ray-TheoryによるE面コセカントビームホーンアンテナの設計とその放射特性," *電子通信学会論文誌 B*, vol.J64-B, no.5, pp.449-456, 昭56-5.

- [85] 安達 三郎, 鈴木 修, 阿部 哲, “反射板上の無限フェイズドアレーアンテナの受信効率,” 電子通信学会論文誌 B, vol.64-B, no.6, pp.566-567, 昭56-6.
- [86] Takao Fujita and Saburo Adachi, “Impedance of a Spherical Probe Immersed in a Warm Magnetized Plasma,” Radio Sci., vol.16, no.3, pp.399-408, May-June 1981.
- [87] 謝 国章, 鈴木 道也, 安達 三郎, “2つの Hyperbolic Cylinder の曲面を持った非平面開口コセカントビームホーンアンテナ,” テレビジョン学会誌, vol.35, no.6, pp.483-488, 昭56-6.
- [88] 謝 国章, 佐藤 清美, 鈴木 道也, 安達 三郎, “誘電体そう入 H 面扇形ホーンアンテナの特性,” 電子通信学会論文誌 B, vol.64-B, no.7, pp.721-722, 昭56-7.
- [89] Shigeo Ohnuki and Saburo Adachi, “Radiation and Reception Characteristics of an Oblate Spheroidal Antenna for Electron Plasma Waves 1. Theory,” Radio Sci., vol.16, no.4, pp.569-578, July-August 1981.
- [90] Shigeo Ohnuki, Saburo Adachi, and Toshiro Ohnuma, “Radiation and Reception Characteristics of an Oblate Spheroidal Antenna for Electron Plasma Waves 2. Experiment,” Radio Sci., vol.16, no.4, pp.579-585, July-August 1981.
- [91] Takao Fujita, Toshiro Ohnuma, and Saburo Adachi, “Plasma States in a Cylindrical Cusp-Shaped Magnetic Field Composed of a Permanent Magnetic Array,” Plasma Physics, vol.23, no.11, pp.1019-1026, Nov. 1981.
- [92] 吉田 潤一, 安達 三郎, “回折格子の位置揺らぎに伴う回折波変動の理論的解析,” 電子通信学会論文誌 C, vol.65-C, no.1, pp.40-47, 昭57-1.
- [93] Saburo Adachi and Shigeo Ohnuki, “Failure of Homogeneous Multilayer Approximation for Transversely Nonuniform Plasma Waveguides,” Radio Sci., vol.17, no.3, pp.539-544, May-June 1982.
- [94] 謝 国章, 佐藤 清美, 鈴木 道也, 安達 三郎, “誘電体そう入 H 面扇形コセカントビームホーンアンテナの設計とその放射特性,” 電子通信学会論文誌 B, vol.65-B, no.10, pp.1221-1228, 昭57-10.
- [95] 謝 国章, 中田 和一, 鈴木 道也, 安達 三郎, “非平面開口 E 面扇形ホーンアンテナの利得,” 電子通信学会論文誌 B, vol. 65-B, no.10, pp.1306-1307, 昭57-10.
- [96] 益子 拓徳, 安達 三郎, “損失性媒質上のインピーダンス負荷ダイポールアレイによる平面波の散乱 — 建造物壁面による TV 電波反射障害の一防止策 —,” 電子通信学会論文誌 B, vol.66-B, no.5, pp.639-646, 昭58-5.

- [97] Takao Fujita, Toshiro Ohnuma, and Saburo Adachi, "Electrostatic End-Plugging of a Plasma in a Cusp-Shaped Magnetic Field Composed of a Magnet Array," *IEEE Trans. Plasma Sci.*, vol. PS-11, no.2, pp.53-56, June 1983.
- [98] 宇野 亨, 安達 三郎, "伝送効率最大開口面分布によるマイクロ波無線電力伝送の設計," *電子通信学会論文誌 B*, vol. J66-B, no.8, pp.1013-1018, 昭58-8.
- [99] Takao Fujita and Saburo Adachi, "Impedance of a Plane Capacitor Immersed in a Beam-Plasma System and in a Streaming Plasma," *Radio Sci.*, vol.18, no.6, pp.1255-1259, Nov.-Dec. 1983.
- [100] 益子 拓徳, 田中 耕一, 安達 三郎, "損失性媒質中に埋設されたインピーダンス負荷ダイポールアレイによる平面波の散乱," *電子通信学会論文誌 B*, vol.J66-B, no.11, pp.1432-1433, 昭58-11.
- [101] Shigeo Ohnuki and Saburo Adachi, "Radiation of Electromagnetic Waves from an Electron Beam Antenna in an Ionosphere," *Radio Sci.*, vol.19, no.3, pp.925-929, May-June 1984.
- [102] Toru Uno and Saburo Adachi, "Optimization of Aperture Illumination for Radio Wave Power Transmission," *IEEE Trans. Antennas Propagat.*, vol. AP-32, no.6, pp.628-632, June 1984.
- [103] 大貫 繁雄, 安達 三郎, "伝送線路理論による異方性電子プラズマ中のループアンテナのインピーダンスの計算," *電子通信学会論文誌 B*, vol.J67-B, no.10, pp.1167-1168, 昭59-10.
- [104] 島貫 靖士, 安達 三郎, "マイクロ波電力伝送用レクテナアレイの理論的・実験的研究," *電子通信学会論文誌 B*, vol.J67-B, no.11, pp.1301-1308, 昭59-11.
- [105] Takunori Mashiko, Shuichiro Yamada and Saburo Adachi, "Plane Wave Scattering from an Infinite Planar Dipole Array Buried in a Lossy Half-Space," *IEEE Trans. Antenna Propagat.*, vol.AP-32, no.12, pp.1372-1375, Dec. 1984.
- [106] 益子 拓徳, 安達 三郎, "円柱人体モデルを囲む円筒メッシュのシールド効果," *電子通信学会論文誌 B*, vol. J68-B, no.10, pp.1185-1193, 昭60-10.
- [107] 益子 拓徳, 安達 三郎, "平面層状人体モデル近傍の金属メッシュのシールド効果," *電子通信学会論文誌 B*, vol. J68-B, no.10, pp.1217-1218, 昭60-10.
- [108] 藤掛 英夫, 安達 三郎, 澤谷 邦男, 柴田 康弘, "中波山頂放送アンテナのモデル実験," *テレビジョン学会誌*, vol.39, no.11, pp.1097-1102, 昭60-11.
- [109] 藤掛 英夫, 安達 三郎, 澤谷 邦男, "回転対称形山岳上の山頂に設置された中波放送アンテナの放射特性," *電子通信学会論文誌 B*, vol.J68-B, no.11, pp.1274-1281, 昭60-11.

- [110] Saburo Adachi and Yasushi Shimanuki, "Theoretical and Experimental Study on Rectenna Array for Microwave Power Transmission," *Space Solar Power Review*, vol.5, pp.127-129, March 1985.
- [111] Saburo Adachi and Yuji Sato, "Microwave-to-DC Conversion Loss of Rectenna," *Space Solar Power Review*, vol.5, pp.357-363, 1985.
- [112] 前田 忠彦, 澤谷 邦男, 安達 三郎, 虫明 康人, "開放導体球凹面に置かれたダイポールアンテナ間の相互結合," *電子通信学会論文誌 B*, vol.J69-B, no.7, pp.741-742, 昭61-7.
- [113] Kunio Sawaya and Saburo Adachi, "Analysis of Aperture Antenna Attached to Cutoff Cavity for ICRF Plasma Heating," *Space Power*, vol.6, pp.199-205, 1986.
- [114] Shigeo Ohnuki, Kunio Sawaya, and Saburo Adachi, "Impedance of a Large Circular Loop Antenna in a Magnetoplasma," *IEEE Trans. Antennas Propagat.*, vol. AP-34, no.8, pp.1024-1029, Aug. 1986.
- [115] 澤谷 邦男, 前田 忠彦, 安達 三郎, 虫明 康人, "開放導体球凹面の近傍に置かれた電気ダイポールによる電磁界," *電子情報通信学会論文誌 C*, vol. J70-C, no.3, pp.341-349, 昭62-3.
- [116] 前田 忠彦, 澤谷 邦男, 安達 三郎, 虫明 康人, "素子間相互結合を含めた導体球円弧状配列ドームアンテナの走査特性," *電子情報通信学会論文誌 B*, vol.J70-B, no.3, pp.366-374, 昭62-3.
- [117] 澤谷 邦男, 土屋 知久, 宇野 亨, 猪狩 和久, 安達 三郎, "中波山頂放送アンテナの野外実験," *テレビジョン学会誌*, vol.41, no.6, pp.556-561, 昭62-6.
- [118] Toru Uno, Saburo Adachi, and Kunio Sawaya, "Three-Dimensional Computational Analysis of Radomes," *Radio Sci.*, vol.22, no.6, pp.913-916, Nov. 1987.
- [119] Toru Uno and Saburo Adachi, "Inverse Scattering Method for One-Dimensional Inhomogeneous Layered Media," *IEEE Trans., Antennas Propagat.*, vol. AP-35, no.12, pp.1456-1466, Dec. 1987.
- [120] 山田 利之, 益子 拓徳, 越場 聡, 澤谷 邦男, 安達 三郎, "人体モデルと近傍ダイポールアンテナとの電磁相互作用—表面インピーダンス法による解析—," *電子情報通信学会論文誌 B*, vol.J71-B, no.2, pp.246-255, 昭63-2.
- [121] 中田 和一, 謝 国章, 鈴木 道也, 小野 光弘, 安達 三郎, "コセカントビームホーンアレイアンテナ," *テレビジョン学会誌*, vol.42, no.2, pp.162-167, 昭63-2.

- [122] 前田 忠彦, 澤谷 邦男, 安達 三郎, 虫明 康人, “導体球凹面近傍の電気ダイポールによる電磁界の漸近近似と実験的検討,” 電子情報通信学会論文誌 C, vol. J71-C, no.4, pp.501-509, 昭63-4.
- [123] Yuji Sato, Kunio Sawaya, and Saburo Adachi, “Faraday Shield Effects on a Half-Turn Loop Antenna Used for ICRF Plasma Heating,” IEEE Trans. Plasma Sci., vol.16, no.5, pp.574-580, Oct. 1988.
- [124] 関根 秀一, 宇野 亨, 澤谷 邦男, 安達 三郎, “円板装荷折返しモノポールアンテナの理論解析,” 電子情報通信学会論文誌 B, vol.J71-B, no.11, pp.1244-1247, 昭63-11.
- [125] 関根 秀一, 石曾根 孝之, 安達 三郎, “整合板付き円板装荷折返しモノポールアンテナ,” 電子情報通信学会論文誌 B, vol. J71-B, no.11, pp.1248-1251, 昭63-11.
- [126] 須田 勝巳, 澤谷 邦男, 猪狩 和久, 安達 三郎, “携帯電話機内蔵 S 形アンテナ,” 電子情報通信学会論文誌 B, vol. J71-B, no.11, pp.1365-1367, 昭63-11.
- [127] 澤谷 邦男, 栗岡 辰弥, 安達 三郎, “フーリエ級数展開とガラーキン法を用いた L 形導体板上スロットアンテナの解析,” 電子情報通信学会論文誌 B, vol. J71-B, no.11, pp.1386-1388, 昭63-11.
- [128] Toru Uno and Saburo Adachi, “Range Distance Requirements for Large Antenna Measurements,” IEEE Antennas Propagat., vol.37, no.6, pp.707-720, June 1989.
- [129] 塩谷 光, 安達 三郎, “ハイパーサーミア用アンテナのマイクロ波電力集中効果,” 電子情報通信学会論文誌 D-II, vol. J72-D-II, no.10, pp.1757-1759, 平元-10.
- [130] 鈴木 利則, 宇野 亨, 安達 三郎, 益子 拓徳, “無限長円柱導体近傍に置かれたダイポールアンテナによる過渡電磁界,” 電子情報通信学会論文誌 C-I, vol. J72-C-I, no.11, pp.761-767, 平元-11.
- [131] 須田 勝巳, 宇野 亨, 安達 三郎, “電磁波による滑らかな軸対称散乱体の形状推定,” 電子情報通信学会論文誌 C-I, vol. J72-C-I, no.11, pp.768-773, 平元-11.
- [132] 藤野 義之, 澤谷 邦男, 安達 三郎, “フーリエ級数展開とガラーキン法を用いた 3 次元直方導体上のスロットアンテナの解析,” 電子情報通信学会論文誌 C-I, vol. J72-C-I, no.11, pp.781-786, 平元-11.
- [133] Akihiko Nojima, Kunio Sawaya, and Saburo Adachi, “Two-Dimensional Finite-Element Method Analysis of Various Antennas for ICRF Plasma Heating,” IEEE Trans. Plasma Sci., vol.17, no.6, pp.880-883, Dec. 1989.

- [134] Yuan-Song Jin, Saburo Adachi, and Kunio Sawaya, "Monopole Antenna on Radial-Wires over Flat Earth," *J. Electromagnetic Waves and Applications*, vol.4, no.1, pp.49-59, 1990.
- [135] Saburo Adachi, Akihiko Ohashi, and Toru Uno, "Iterative Radar Target Imaging Based on Modified Extended Physical Optics Method," *IEEE Trans. Antennas Propagat.*, vol.38, no.6, pp.847-852, June 1990.
- [136] Kunio Sawaya, Shin-ichi Yatabe, and Saburo Adachi, "Exterior Moment Method Analysis of Conducting Scatterers by Using the Interior Green's Function," *Electronics Letters*, vol.26, no.10, pp.631-632, May 1990.
- [137] Yiwei He, Masahiko Maruyama, Toru Uno, Saburo Adachi, and Takunori Mashiko, "Dipole Antenna Reception of Transient Electromagnetic Fields Refracted from a Dipole Antenna Buried in a Lossy Half-Space," *Trans. IEIC Eon Electronics*, vol.E74, no.9, pp.2870-2876, Sept. 1991.
- [138] Toru Uno, Yoshiyuki Miki, and Saburo Adachi, "One-dimensional Radar Target Imaging of Lossy Dielectric Bodies of Revolution," *Trans. IEICE on Electronics*, vol.E74, no.9, pp.2915-2921, Sept. 1991.
- [139] Shigeo Ohnuki and Saburo Adachi, "Electromagnetic Wave Radiation in Lower Hybrid Frequency Range from Modulated Charge Particle Beams in Space," in *Trends in Plasma Science*, edited by Council of Scientific Research Integration, Vol. 1, pp.119-129, published by Research Trends, Trivandrum 695023, India, April 1992.
- [140] Kunio Sawaya, Shin-ichi Yatabe, and Saburo Adachi, "Exterior Moment Method Analysis of Conducting Scatterers by Using the Interior Green's Function and the Method of Least Square," *IEEE Trans. Antennas and Propagation*, vol.40, no.5, pp.563-565, May 1992.
- [141] Kunio Sawaya and Saburo Adachi, "A Cutoff Waveguide Aperture Antenna With Faraday Shield," *J. Electromagnetic Waves and Applications*, vol.6, no.7, pp.865-880, July 1992.
- [142] 陳 強, 澤谷 邦男, 安達 三郎, 越智 久晃, 山本 悦治, "MRI用スロット型アンテナの解析," *電子情報通信学会論文誌 B-II*, vol. J75-B-II, no.8, pp.602-605, 1992.8.
- [143] Raymond Luebbers, Li Chen, Toru Uno, and Saburo Adachi, "FDTD Calculation of Radiation Patterns, Impedance and Gain for a Monopole Antenna on a Conducting Box," *IEEE Trans. Antennas Propagat.* vol.40, no.12, pp.1577-1583, Dec. 1992.

- [144] Raymond Luebbers, Ken Kumagai, Saburo Adachi, and Toru Uno, "FDTD Calculation of Transient Pulse Propagation Through a Nonlinear Magnetic Sheet," IEEE Trans. Electromagn. Compat. vol.35, no.1, pp.90-94, Feb. 1993.
- [145] 越智 久晃, 山本 悦治, 澤谷 邦男, 安達 三郎, "RF シールドを有する MRI アンテナの特性解析," 電子情報通信学会論文誌 B- II , vol. J76-B- II , no.2, pp.79--85, 平5-2.
- [146] 前島 治, 宇野 亨, 何 一偉, 安達 三郎, "2次元不均質媒質中の物体による円筒電磁波過渡散乱の FDTD 法解析," 電子情報通信学会論文誌 B- II , vol.76-B- II , no.2, pp.138--141, 平5-2.
- [147] Saburo Adachi and Toru Uno, "One-Dimensional Target Profiling by Electromagnetic Backscattering," J. Electromagnetic Waves and Applications, vol.7, no.3, pp.403-421, March 1993.
- [148] Saburo Adachi, "Comments on Slenderness Approximations in RCS Estimation-The Simplest 2-D Case," IEEE Trans. Antennas Propagat. vol.41, no.3, pp.392-393, March 1993.
- [149] 何 一偉, 宇野 亨, 安達 三郎, "FDTD 法を用いた地中埋設無限長導体による円筒波の過渡散乱解析," 電子情報通信学会論文誌 B- II , vol. J76-B- II , no.4, pp.245-252, 平5-4.
- [150] 越智 久晃, 山本 悦治, 澤谷 邦男, 安達 三郎, "人体モデルを挿入した MRI アンテナの特性解析," 電子情報通信学会論文誌 B- II , vol. J76-B- II , no.4, pp.253-259, 平5-4.
- [151] Qiang Chen, Kunio Sawaya, Saburo Adachi, Hisaaki Ochi, and Etsuji Yamamoto, "Analysis of MRI Slotted Tube Resonator Having a Shield of Conducting Circular Cylinder," IEICE Trans., Communications, vol.E76-B, no.5, pp.553-560, May 1993.
- [152] 村松 寿郎, 澤谷 邦男, 安達 三郎, "マイクロ波電力受電用ノッチ装荷円形マイクロストリップアンテナ," 電子情報通信学会論文誌 B- II , vol. J76-B- II , no.7, pp.656-658, 平5-7.
- [153] Saburo Adachi, Toru Uno and Tsutomu Nakaki, "Two-Dimensional Target Profiling by Electromagnetic Backscattering," IEICE Trans. Electronics, vol. E76-C, no.10, pp.1449-1455, Oct. 1993.
- [154] Osamu Maeshima, Toru Uno, Yiwei He and Saburo Adachi, "FDTD Analysis of Two-Dimensional Cavity-Backed Antenna for Subsurface Radar," IEICE Trans. Electronics, vol.E76-C, no.10, pp.1468-1473, Oct. 1993.

- [155] Ryo Yamaguchi, Kunio Sawaya, Yoshiyuki Fujino, and Saburo Adachi, "Effect of Dimension of Conducting Box on Radiation Characteristics of a Monopole Antenna for Portable Telephone," *IEICE Trans. Communications*, vol.E76-B, no.12, pp.1526-1531, Dec. 1993.
- [156] Yiwei He, Toru Uno, Saburo Adachi, and Takunori Mashiko, "Two-Dimensional Active Imaging of Conducting Objects Buried in a Dielectric Half-Space," *IEICE Trans. Communications*, vol.E76-B, no.12, pp.1546-1551, Dec. 1993.
- [157] Li Chen, Toru Uno, Saburo Adachi, and Raymond Luebbers, "FDTD Analysis of a Monopole Antenna on a Conducting Box with a Layer of Dielectric," *IEICE Trans. Communications*, vol.E76-B, no.12, pp.1583-1586, Dec. 1993.
- [158] 越智 久晃, 山元悦治、澤谷 邦男、安達三郎, "だ円柱型負荷を挿入したMRIアンテナの特性解析," *電子情報通信学論文誌 D-II*, vol.J77-D-II, no.5, pp.1018-1025, 1994.
- [159] Akira Taketomi, Kunio Sawaya, Saburo Adachi, Shigetoshi Ohshima, "A Method for Measuring Surface Impedance of Superconductor and Dielectric Characteristics of Substrate by Using Strip Line Resonator," *IEICE Trans. Electron.*, vol.E-77-C, no.8, pp.1234-1241, 1994.
- [160] 越智 久晃、山本 悦治、澤谷 邦男、安達三郎, "MRIアンテナに挿入された生体へのRF磁界の浸透性の解析," *電子情報通信学会論文誌 D-II*, vol.J77-D-II, no.9, pp.1902-1909, 1994.
- [161] Qiang Chen, Kunio Sawaya, Saburo Adachi, Hisaaki Ochi, and Etsuji Yamamoto, "A Three Dimensional Analysis of Slotted Tube Resonator for MRI," *IEEE Trans. on Medical Imaging*, vol.13, no.4, pp.587-593, 1994.
- [162] 笹森 笹森 崇行、宇野 亨、安達三郎, "高周波近似法を用いた誘電体円柱による電磁波散乱の解析," *電子情報通信学会論文誌 C-I*, vol.J78-C-I, no.1, pp.9-19, 1995.
- [163] 笹森 崇行、宇野 亨、安達三郎、澤谷 邦男, "臨界散乱角近傍における電磁波散乱の高周波近似解析," *電子情報通信学会論文誌C-I*, vol.J78-C-I, no.4, pp.215-218,1995.
- [164] Toru Uno, Yiwei He, and Saburo Adachi, "Perfectly Matched Layer Absorbing Boundary Condition for Dispersive Medium," *IEEE Microwave and Guided Wave Letters*, vol.7, no.9, pp.264-266, 1997