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COFDM for DAB, perform. eval., HPA nonlin. effects. *Le, M.T., +, T-BC Jun 98 165-171*

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- Fault diagnosis; cf.** Communication system fault diagnosis  
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- Random noise**; cf. Gaussian noise
- Rate distortion theory**  
MPEG-2 video programs, joint coding for digital broadcasting services. *Sung-Hoon Hong*, +, *T-BC Jun 98* 153-164
- Rayleigh channels**  
DAB in-band adjacent-channel syst. in freq.-selective fading. *Chrysochoos, M.*, +, *T-BC Jun 98* 243-249
- Ray tracing**  
HF radio broadcast transmitter, coverage area calcs. *Tanyer, S.G.*, +, *T-BC Jun 98* 226-232
- Real time systems**  
CDMA direct-detect. fiber-optic sync. networks, real-time multimedia broadcasting. *Maw-Yang Liu*, +, *T-BC Sep 98* 371-380
- Receivers**; cf. Optical receivers; TV receivers
- Receiving antennas**  
RLSA antenna optimum design for DBS reception. *Kechagias, K.*, +, *T-BC Dec 98* 460-469
- Redundancy**  
hybrid fiber-coaxial networks, upstream channel redundant bandwidth. *Suming Ju*, +, *T-BC Jun 98* 216-225
- Reflection**; cf. Electromagnetic reflection
- Resource management**  
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- Rician channels**  
DAB in-band adjacent-channel syst. in freq.-selective fading. *Chrysochoos, M.*, +, *T-BC Jun 98* 243-249

## S

- Satellite broadcasting**  
11.6 GHz commun./broadcasting satellite systs., rain atten., diurnal distrib. *Matricciani, E.*, *T-BC Jun 98* 250-258  
digital syst., transmitter station monitor/alarm/control implement. *Tae Kyoong Kim*, +, *T-BC Mar 98* 94-99  
enhancing satellite broadcasting services using multiresolution modulations. *Reali, G.*, +, *T-BC Dec 98* 497-506  
Ka-band satellite TV broadcasting, MPEG-2 coding/transport stream error concealment. *Yuh-Feng Hsu*, +, *T-BC Mar 98* 77-86  
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MPEG-2 spatial scalable video codec. *Yuh-Feng Hsu*, +, *T-BC Jun 98* 233-242  
MPEG-2 video programs, joint coding for digital broadcasting services. *Sung-Hoon Hong*, +, *T-BC Jun 98* 153-164  
PFD trigger threshold for co-ordination of BSS(S) and point-to-multipoint terrestrial systs. *Kerans, A.J.*, +, *T-BC Dec 98* 449-454  
RLSA antenna optimum design for DBS reception. *Kechagias, K.*, +, *T-BC Dec 98* 460-469
- Satellite communication**  
VSAT secure satellite commun., key distrib. *Jeong-Hyun Park*, +, *T-BC Sep 98* 274-277
- Satellite mobile communication**  
S-band LMS propag. channel for different environ./shadowing/elevation angles. *Perez-Fontan, F.*, +, *T-BC Mar 98* 40-76
- Scheduling**  
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- Security**; cf. Alarm systems; Data security
- Semiconductor device noise**  
CDMA direct-detect. fiber-optic sync. networks, real-time multimedia broadcasting. *Maw-Yang Liu*, +, *T-BC Sep 98* 371-380
- Sequences**  
CDMA direct-detect. fiber-optic sync. networks, real-time multimedia broadcasting. *Maw-Yang Liu*, +, *T-BC Sep 98* 371-380
- Sequential decoding**; cf. Viterbi decoding
- Series (mathematics)**; cf. Fourier series
- Shot noise**  
HFC upstream channel, impulse noise ident. *Kuo-Hui Li*, +, *T-BC Sep 98* 324-329
- Signal analysis**; cf. Spectral analysis
- Signal detection**; cf. Maximum likelihood detection; Optical signal detection
- Signal processing**; cf. Signal sampling; Video signal processing
- Signals**  
OFDM, digital in-band-on-channel AM/FM radio, PAC encoder. *Cupo, R.L.*, +, *T-BC Mar 98* 22-27
- Signal sampling**  
HFC upstream channel, impulse noise ident. *Kuo-Hui Li*, +, *T-BC Sep 98* 324-329
- Simulation**  
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- Singular value decomposition**  
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- Slot arrays**  
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- Software**; cf. Communication system software
- Spectral analysis**  
AM sigs., carrier wave freq. multiplication. *Trzaska, H.*, *T-BC Sep 98* 294-299  
FCC DTV spectral emission mask, adjacent channels degrad., antenna pattern differences. *Eilers, C.*, +, *T-BC Mar 98* 28-39  
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**Stability; cf.** Numerical stability

**Standards; cf.** Communication standards

**Statistics**

- 11.6 GHz commun./broadcasting satellite systs., rain atten., diurnal distrib. *Matricciani, E., T-BC Jun 98 250-258*
- num. calc. and stat. anal. of MW field intens. on synchronized emitters. *Wang, Z., +, T-BC Dec 98 409-418*

**Stochastic processes; cf.** Markov processes; Time series

**Subcarrier multiplexing**

- increasing channel capacity and range on urban opt. analog AM-VSB CATV systs. *Podcameni, A., +, T-BC Dec 98 436-444*

**Subscriber loops**

- CATV coaxial networks, upstream high speed digital commun. *Brendle, P., +, T-BC Sep 98 353-362*
- HFC upstream channel, impulse noise ident. *Kuo-Hui Li, +, T-BC Sep 98 324-329*

**Subscriber loops; cf.** Optical subscriber loops

**Synchronization**

- MPEG2 distributed single freq. network, field trials. *O'Leary, S., T-BC Jun 98 194-205*

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**Time series**

- 11.6 GHz commun./broadcasting satellite systs., rain atten., diurnal distrib. *Matricciani, E., T-BC Jun 98 250-258*

**Time-varying channels**

- HDTV terrestrial transm., block seq. least sq. DFE equalization algm. *Chun-Ming Zhao, +, T-BC Sep 98 278-285*

**Traffic control (communication)**

- hybrid fiber-coax networks, upstream bandwidth dyn. assignment. *Suming Ju, +, T-BC Sep 98 330-335*
- optimal real-time admission control algms. for video-on-demand service. *Lin, F.Y.-S., T-BC Dec 98 402-408*
- VOD service, adaptive fast data broadcasting scheme. *Li-Shen Juhn, +, T-BC Jun 98 182-185*

**Transform coding**

- MPEG-2 video programs, joint coding for digital broadcasting services. *Sung-Hoon Hong, +, T-BC Jun 98 153-164*

**Transforms; cf.** Discrete cosine transforms; Discrete Fourier transforms; Fourier transforms

**Transmission lines; cf.** Coaxial transmission lines

**Transmitters; cf.** Radio transmitters; TV transmitters

**Traveling wave amplifiers**

- COFDM for DAB, perform. eval., HPA nonlin. effects. *Le, M.T., +, T-BC Jun 98 165-171*

**TV; cf.** Cable TV; Digital TV; Interactive TV

**TV broadcasting**

- 11.6 GHz commun./broadcasting satellite systs., rain atten., diurnal distrib. *Matricciani, E., T-BC Jun 98 250-258*
- 16DAPSK-OFDM modulation for digital transm. of high bit rate sigs. *Moriyama, S., +, T-BC Mar 98 115-122*
- bit error perform. for video over DAB syst. *Sostawa, B., +, T-BC Dec 98 445-448*
- data broadcasting/receiving scheme for popular video service. *Li-Shen Juhn, +, T-BC Mar 98 100-105*
- DBS digital syst., transmitter station monitor/alarm/control implement. *Tae Kyoan Kim, +, T-BC Mar 98 94-99*
- DBS MPEG-2 spatial scalable video codec. *Yuh-Feng Hsu, +, T-BC Jun 98 233-242*
- digital/analog cochannel protection ratio field meas. *O'Leary, S., T-BC Dec 98 540-546*
- digital TV broadcasting using OFDM modulation, hardware nonlin. *Chini, A., +, T-BC Mar 98 12-21*
- digital video services broadcasting, cost-effective storage server. *Shiao-Li Tsao, +, T-BC Sep 98 300-308*
- DVB-T digital TV broadcasting, param. optim./simulated perform. *Armada, A.G., +, T-BC Mar 98 131-138*
- DVB-T sigs., mobile broadcasting. *O'Leary, S., +, T-BC Sep 98 346-352*
- HDTV digital broadcasting, syst. inform./service data transm. *Hyun-Ho Jeon, +, T-BC Mar 98 87-93*
- HDTV terrestrial transm., block seq. least sq. DFE equalization algm. *Chun-Ming Zhao, +, T-BC Sep 98 278-285*
- Ka-band satellite TV broadcasting, MPEG-2 coding/transport stream error concealment. *Yuh-Feng Hsu, +, T-BC Mar 98 77-86*
- Koreasat, DBS digital syst. design/implement. for TV/data broadcasting. *Sohn, W., +, T-BC Sep 98 316-323*
- MPEG2 distributed single freq. network, field trials. *O'Leary, S., T-BC Jun 98 194-205*
- MPEG-2 video programs, joint coding for digital broadcasting services. *Sung-Hoon Hong, +, T-BC Jun 98 153-164*

- OFDM perform. in amp. nonlin. *Merchan, S., +, T-BC Mar 98 106-114*
- OFDM terrestrial digital TV broadcasting, channel estim. *Chini, A., +, T-BC Mar 98 2-11*
- Tribune/WGN DTV field test. *McKinnon, M., +, T-BC Sep 98 261-273*
- VOD service, adaptive fast data broadcasting scheme. *Li-Shen Juhn, +, T-BC Jun 98 182-185*

**TV broadcasting; cf.** Cable TV; Digital TV; Interactive TV

**TV cameras**

- color TV cameras for UV/near-IR/vis. *Tagiguchi, Y., +, T-BC Mar 98 123-130*

**TV equipment; cf.** TV cameras; TV receivers; TV transmitters

**TV interference**

- DBS MPEG-2 spatial scalable video codec. *Yuh-Feng Hsu, +, T-BC Jun 98 233-242*
- digital/analog cochannel protection ratio field meas. *O'Leary, S., T-BC Dec 98 540-546*
- FCC DTV spectral emission mask, adjacent channels degrad., antenna pattern differences. *Eilers, C., +, T-BC Mar 98 28-39*
- HFC upstream channel, impulse noise ident. *Kuo-Hui Li, +, T-BC Sep 98 324-329*
- mobile video sig. reception, adaptive equalization of multipath interf. *Zhichun Lei, +, T-BC Jun 98 172-181*
- OFDM terrestrial digital TV broadcasting, channel estim. *Chini, A., +, T-BC Mar 98 2-11*

**TV receivers**

- CATV coaxial cable amps., IMD. *Germanov, V., T-BC Sep 98 363-370*
- digital TV broadcasting using OFDM modulation, hardware nonlin. *Chini, A., +, T-BC Mar 98 12-21*
- DVB-T digital TV broadcasting, param. optim./simulated perform. *Armada, A.G., +, T-BC Mar 98 131-138*

**TV transmitters**

- DBS digital syst., transmitter station monitor/alarm/control implement. *Tae Kyoan Kim, +, T-BC Mar 98 94-99*
- digital TV broadcasting using OFDM modulation, hardware nonlin. *Chini, A., +, T-BC Mar 98 12-21*
- DVB-T digital TV broadcasting, param. optim./simulated perform. *Armada, A.G., +, T-BC Mar 98 131-138*
- MPEG2 distributed single freq. network, field trials. *O'Leary, S., T-BC Jun 98 194-205*
- Tribune/WGN DTV field test. *McKinnon, M., +, T-BC Sep 98 261-273*

**U**

**UHF radio propagation**

- land use land cover categories, clutter losses/environ. noise charact. *Rubinstein, T.N., T-BC Sep 98 286-293*
- S-band LMS propag. channel for different environ./shadowing/elevation angles. *Perez-Fontan, F., +, T-BC Mar 98 40-76*

**Ultraviolet detectors**

- color TV cameras for UV/near-IR/vis. *Tagiguchi, Y., +, T-BC Mar 98 123-130*

**Urban areas**

- increasing channel capacity and range on urban opt. analog AM-VSB CATV systs. *Podcameni, A., +, T-BC Dec 98 436-444*

**V**

**VHF radio propagation**

- land use land cover categories, clutter losses/environ. noise charact. *Rubinstein, T.N., T-BC Sep 98 286-293*

**Video cameras**

- video camera syst. using liquid-crystal polarizing filter to reduce reflected light. *Fujikake, H., +, T-BC Dec 98 419-426*

**Video codecs**

- DBS MPEG-2 spatial scalable video codec. *Yuh-Feng Hsu, +, T-BC Jun 98 233-242*
- Ka-band satellite TV broadcasting, MPEG-2 coding/transport stream error concealment. *Yuh-Feng Hsu, +, T-BC Mar 98 77-86*

**Video coding**

- DVB-T digital TV broadcasting, param. optim./simulated perform. *Armada, A.G., +, T-BC Mar 98 131-138*
- HDTV digital broadcasting, syst. inform./service data transm. *Hyun-Ho Jeon, +, T-BC Mar 98 87-93*
- Ka-band satellite TV broadcasting, MPEG-2 coding/transport stream error concealment. *Yuh-Feng Hsu, +, T-BC Mar 98 77-86*
- MPEG2 distributed single freq. network, field trials. *O'Leary, S., T-BC Jun 98 194-205*
- MPEG-2 video programs, joint coding for digital broadcasting services. *Sung-Hoon Hong, +, T-BC Jun 98 153-164*

VBR MPEG-2 video over ATM networks, cell discarding mechanisms.  
*Cuenca, P.*, +, *T-BC Jun 98* 206-215

**Video equipment**

CATV coaxial cable amps., IMD. *Germanov, V.*, *T-BC Sep 98* 363-370  
digital video services broadcasting, cost-effective storage server. *Shiao-Li Tsao*, +, *T-BC Sep 98* 300-308

**Video equipment; cf.** Video cameras; Video codecs

**Video on demand; cf.** Interactive TV

**Video signal processing**

AM sigs., carrier wave freq. multiplication. *Trzaska, H.*, *T-BC Sep 98* 294-299  
data broadcasting/receiving scheme for popular video service. *Li-Shen Juhn*, +, *T-BC Mar 98* 100-105  
mobile video sig. reception, adaptive equalization of multipath interf. *Zhichun Lei*, +, *T-BC Jun 98* 172-181

**Video signal processing; cf.** Video coding

**Visualization**

num. calc. and stat. anal. of MW field intens. on synchronized emitters.  
*Wang, Z.*, +, *T-BC Dec 98* 409-418

**Visual system**

insect color vision, IR-UV TV cameras. *Takiguchi, Y.*, +, *T-BC Mar 98* 123-130

**Viterbi decoding**

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**W**

**Wire communication; cf.** Cable TV