

A comparison of different vector quantization schemes for image coding

Vafin, Renat; Skoglund, Mikael; Linden, Jan; Skoglund, Jan Telekommunikatsioon '98 : rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid, 15. mai 1998 1998 / lk. 12-19: ill

Entropy-constrained polar quantization : theory and an application to audio coding

Vafin, Renat; Kleijn, W.B. 2002 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : May 13-17, 2002 Renaissance Orlando Resort, Orlando, Florida, USA. Volume II 2002 / p. II-1837-II-1840 : ill
<https://ieeexplore.ieee.org/document/5744982>

Exploiting time and frequency masking in consistent sinusoidal analysis-synthesis

Vafin, Renat; Vang Andersen, Soren; Kleijn, W. Bastiaan 2000 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : 5-9 June, 2000, Hilton Hotel and Convention Center, Istanbul, Turkey. Vol. 2 2000 / p. 901-904 : ill

High-quality consistent analysis-synthesis in sinusoidal coding

Vos, Koen; **Vafin, Renat;** Heusdens, Richard; Kleijn, W. Bastiaan Proceedings of the AES 17th International Conference : High-Quality Audio Coding : Florence, Italy, 1999 September 2-5 1999 / p. 244-250

Improved modeling of audio signals by modifying transient locations

Vafin, Renat; Heusdens, Richard; Par, Steven van de; Kleijn, W. Bastiaan Proceedings of the 2001 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics : October 21-24, 2001, Mohonk Mountain House, New Paltz, New York, USA 2001 / p. 143-143 : ill <https://ieeexplore.ieee.org/document/969563>

Modifying transients for efficient coding of audio

Vafin, Renat; Heusdens, Richard; Kleijn, W. Bastiaan 2001 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : 7-11 May, 2001, Salt Palace Convention Center, Salt Lake City, Utah, USA. Vol. 5 2001 / p. 3285-3288 : ill <https://ieeexplore.ieee.org/document/940360>

Multi-variate block polar quantization and applications to audio

Pobloth, H.; **Vafin, Renat;** Kleijn, W.B. Proc IEEE Int. Conf. Acoustics, Speech, Signal Processing : ICASSP 2004 : Montreal, Canada, 2004. Vol. 4 2004 / p. 197-200 <https://ieeexplore.ieee.org/document/1326797>

Polar quantization of sinusoids from speech signal blocks

Pobloth, Harald; **Vafin, Renat;** Kleijn, W. Bastiaan EUROSPEECH 2003 - INTERSPEECH 2003 : 8th European Conference on Speech Communication and Technology : Geneva, Switzerland, September 1-4, 2003 2003 / p. 1097-1100 : ill https://www.isca-archive.org/eurospeech_2003/pobloth03_eurospeech.pdf

Predictive vector quantization in image coding : study of the safety-net approach

Vafin, Renat 1996

Sinusoidal modeling of audio and speech using psychoacoustic-adaptive matching pursuits

Heusdens, Richard; **Vafin, Renat;** Kleijn, W. Bastiaan 2001 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : 7-11 May, 2001, Salt Palace Convention Center, Salt Lake City, Utah, USA. Vol. 5 2001 / p. 3281-3284 : ill <https://ieeexplore.ieee.org/document/940359>

Sinusoidal modeling using psychoacoustic-adaptive matching pursuits

Vafin, Renat IEEE signal processing letters 2002 / 8, 262-265 <https://ieeexplore.ieee.org/abstract/document/1034994>

Towards optimal quantization in multistage audio coding

Vafin, Renat; Kleijn, W.B. Proc IEEE Int. Conf. Acoustics, Speech, Signal Processing : ICASSP 2004 : Montreal, Canada, 2004. Vol. 4 2004 / p. 205-208 <https://ieeexplore.ieee.org/document/1326799>