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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Acknowledgements -- Abbreviations -- 1 Introduction -- 2 Video coding standards and video formats -- 3 AVS China -- 4 H.264/MPEG-4 advanced video coding -- 5 High efficiency video coding (HEVC) -- 6 VP6 video coding standard -- 7 Performance analysis and comparison of the Dirac video codec with H.264/MPEG-4 Part 10 -- 8 The VC-1 video coding -- Appendices -- A Investigation of image quality of Dirac, H.264, and H.265 (B. Shrestha) -- B PSNR average for avsnr software (G. Sullivan) -- C A universal image quality index and SSIM comparison (C. Chukka) -- D Performance analysis and implementation of mode dependent DCT/DST in H.264/AVC (P. Anjanappa) -- E Performance analysis and comparison of JM, Intel IPP and X264 for H.264 software (S. Muniyappa) -- F Implementation of AIC based on I-frame only coding in H.264 and comparison with other

still frame image coding standards such as JPEG, JPEG 2000, JPEG-LS, JPEG-XR (R. Veerla) -- G Higher order 2-D ICTs for HD video coding (M. Krishnan) -- H Comparison of H.264 codecs -- Bibliography -- Index.

Sommario/riassunto

Review by Ashraf A. Kassim, Professor, Department of Electrical & Computer Engineering, and Associate Dean, School of Engineering, National University of Singapore. The book consists of eight chapters of which the first two provide an overview of various video & image coding standards, and video formats. The next four chapters present in detail the Audio & video standard (AVS) of China, the H.264/MPEG-4 Advanced video coding (AVC) standard, High efficiency video coding (HEVC) standard and the VP6 video coding standard (now VP10) respectively. The performance of the wavelet based Dirac video codec is compared with H.264/MPEG-4 AVC in chapter 7. Finally in chapter 8, the VC-1 video coding standard is presented together with VC-2 which is based on the intra frame coding of Dirac and an outline of a H.264/AVC to VC-1 transcoder. The authors also present and discuss relevant research literature such as those which document improved methods & techniques, and also point to other related resources including standards documents, open source software, review papers, and keynote speeches. The numerous projects presented in the later chapters are particularly thought provoking and challenging. These would be useful for readers, especially graduate students, helping them develop a deeper understanding of the standards and also direct them to further research. True to its name, "Video Coding Standards" would serve as a unique resource for researchers, developers and graduate students in the video coding field, enabling them to achieve a good understanding of these current standards including the differences in performance and limitations, as well as keep abreast of latest developments.

2. Record Nr.	UNINA9910162833803321
Autore	Anastasiades Antones
Titolo	Think ...: practical political philosophy
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Formato	Materiale a stampa
Livello bibliografico	Monografia