

ISO/IEC 23002-1:2006-12 (E)

Information technology - MPEG video technologies - Part 1: Accuracy requirements for implementation of integer-output 8x8 inverse discrete cosine transform

Contents		Page
Foreword		iv
1	Scope	1
2	Terms and definitions	1
3	Abbreviations and symbols	2
3.1	Abbreviations	2
3.2	Symbols	3
4	Conventions	3
4.1	Arithmetic operators	3
4.2	Logical operators	3
4.3	Relational operators	3
4.4	Bit-wise operators	4
4.5	Assignment operators	4
4.6	Mathematical functions	4
4.7	Range notation	5
4.8	Hexadecimal notation	5
5	IDCT accuracy specification	5
5.1	Ideal real-valued 8x8 forward DCT	5
5.2	Ideal integer-valued 8x8 forward DCT	5
5.3	Ideal real-valued 8x8 inverse DCT	5
5.4	Ideal integer-valued 8x8 inverse DCT	5
5.5	Integer-output IDCT accuracy testing procedure and requirements	6
	Annex A (normative) Additional test of near-DC inversion behaviour	9
	Annex B (normative) Additional pseudo-random input data tests	10
	Bibliography	11