INTERNATIONAL STANDARD ISO/IEC 14496-11:2005
TECHNICAL CORRIGENDUM 5

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Coding of audio-visual objects —

Part 11:
Scene description and application engine

TECHNICAL CORRIGENDUM 5

Technologies de l'information — Codage des objets audiovisuels —

Partie 11: Description de scène et moteur d'application

RECTIFICATIF TECHNIQUE 5

Technical Corrigendum 5 to ISO/IEC 14496-11:2005 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

Replace the electronic attachment with the enclosed archive file.

In 7.1.1.2.13.6, replace:

The angle distortion is such that a sound source that was localized at azimuth θ will be moved to azimuth θ', with: $\cos\theta' = (m + \cos\theta)/(1 + \mu \cos\theta)$ and $\mu = (\lambda^2 - 1)/(\lambda^2 + 1)$.

with:
The angle distortion is such that a sound source that was localized at azimuth θ will be moved to azimuth θ', with: $\cos\theta' = (\mu + \cos\theta)/(1 + \mu \cos\theta)$ and $\mu = (\lambda^2 - 1)/(\lambda^2 + 1)$.

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In 7.2.2.9.2.2, replace:

These parameters allows interpreting the audio channels as “Ambisonics® components” B_{mn}^{σ}, which represent the spatial encoding/recording of the sound field according to the spherical harmonics Y_{mn}^{s} (see **Figure 11**).

with:
These parameters are used to interpret the audio channels as “Ambisonics® components” B_{mn}^{σ}, which represent the spatial encoding/recording of the sound field according to the spherical harmonics Y_{mn}^{σ} (see **Figure 11**).

In 7.2.2.9.2.2, title of Figure 11, replace:

Right part: 3D view of spherical harmonics Y_{mn}^{s} with usual designation of associated Ambisonics® components.

with:
Right part: 3D view of spherical harmonics Y_{mn}^{σ} with usual designation of associated Ambisonics® components.

In 7.2.2.9.2.2, replace:

Note that the specified convention applies to the Ambisonics® components finally obtained, for example after backward matrixing (or channel recombination) in case of occurance (see comments on **ambBackwardMatrix**).

with:
Note that the specified convention applies to the Ambisonics® components finally obtained, for example after backward matrixing (or channel recombination) in case of occurrence (see comments on **ambBackwardMatrix**).

In 7.2.2.9.2.2, replace:

The **ambSoundfieldResolution** should have the same number of elements as **ambComponentOrdering** and requires **ambOrderingRule**=1 since several components might have the same “Single Index Designation”.

with:
The **ambSoundfieldResolution** should have the same number of elements as **ambComponentIndex** and requires **ambArrangementRule**=1 since several components might have the same “Single Index Designation”.

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