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of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC
29/WG 11**

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Source: K. Andersson, F. Bossen, J.-R. Ohm, A. Segall, A. Sjöberg, J. Ström, G. J. Sullivan, A. Tourapis

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Abstract

This document provides a description of Bjøntegaard elta rate (BD-rate) measurement practices for video coding experiments. It provides a concept-level overview of recent practices and provides references to technical papers that describe further details. It provides comments on why some of the choices were made and identifies situations where caution must be taken when interpreting the results. Revision marks are shown relative to the 2020 output document, JVET-2016-v1.

Scope

This document provides general summary information about coding efficiency measurement practices that have been used for video coding experiments in recent work for the development of video coding standards in ITU-T SG 16 and ISO/IEC JTC 1/SC 29 MPEG. This document does not represent an authoritative recommendation for how video quality should be evaluated. It merely describes the practices that have recently followed for coding efficiency experiments conducted during work to develop video coding standards.

Normative references

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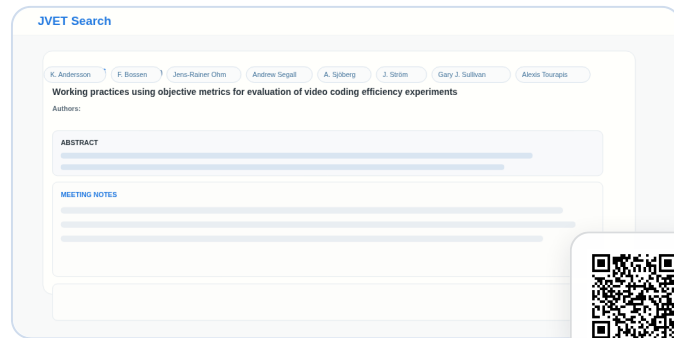
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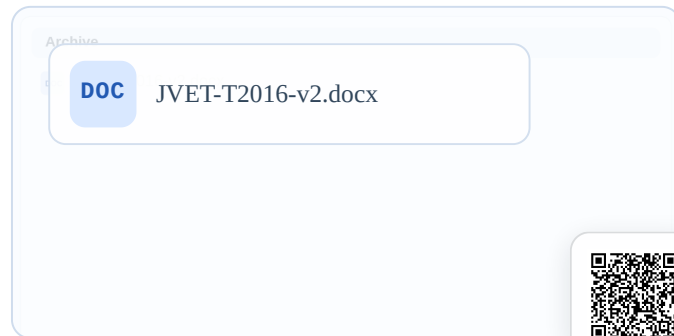
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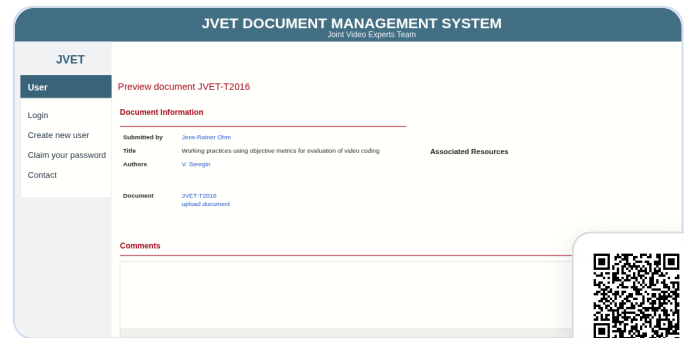
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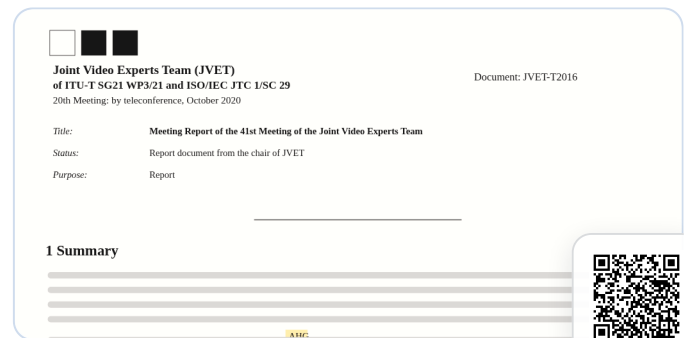
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MEETING NOTES

external meeting notes

https://www.itu.int/wftp3/av-arch/jvet-site/2020_10_T_Virtual/JVET-T_Notes_dH.docx



MEETING NOTES

[JVET-T2016](#) Summary information on BD-rate experiment evaluation practices [K. Andersson, F. Bossen, J.-R. Ohm, A. Segall, R. Sjöberg, J. Ström, G. J. Sullivan, A. Tourapis] [WG 5 TR N 6] (2020-11-06)

WG 5 DoCR N 5.

JVET-T2016 Summary information on BD-rate experiment evaluation practices [K. Andersson, F. Bossen, J.-R. Ohm, A. Segall, R. Sjöberg, J. Ström, G. J. Sullivan, A. Tourapis] [WG 5 TR N 6] (2020-11-06)

WG 5 DoCR N 5.

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K. Andersson, F. Bossen, J.-R. Ohm, A. Segall, A. Sjöberg, J. Ström, G. J. Sullivan, A. Tourapis, "Working practices using objective metrics for evaluation of video coding efficiency experiments (Draft 4)", JVET-T2016, 20th Meeting: by teleconference, October 2020.

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4. [F. Bossen, X. Li, A. Norkin, K. Sühling, "JVET AHG report: Test model software development \(AHG3\)", JVET-O0003, 15th Meeting: Gothenburg, SE, July 2019.](#)
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8. [K. Andersson, F. Bossen, J.-R. Ohm, A. Segall, R. Sjöberg, J. Ström, G. J. Sullivan, A. Tourapis, "Working practices using objective metrics for evaluation of video coding efficiency experiments \(Draft 3\)", JVET-S2016, 19th Meeting: by teleconference, June 2020.](#)