Text Supporting JCTVC-G720.

Define the Sgn(x) function and use it in the description of descaling process in current working draft or dequantization as used in HM4.0.

Sgn(x) =

Necessary text modifications to the dequantization process are given for two core transform proposals in listed below [1] [2]. Exact text is dependent upon the final transform design.

coeffQ = Sgn(level)((|level|\*IQ << (QP/6)) + offset)>>(M-1+(B-8)), offset = 1<<(M-2+(B-8))

1. A. Fuldseth, G. Bjøntegaard, M. Budagavi, “Core transform design for HEVC,” JCTVC-G495, Geneva, November, 2011.
2. E. Alshina, A. Alshin, Wonjae Lee, JeongHoon Park, Kulbhushan Pachauri, P. Topiwala, “CE10: Full Factorization Core Transforms for HEVC” JCTVC-G737, Geneva, November, 2011.