

**STANDARD COMPLIANT VIDEO CODING USING LOW COMPLEXITY, SWITCHABLE
NEURAL WRAPPERS
SUPPLEMENTARY MATERIAL**

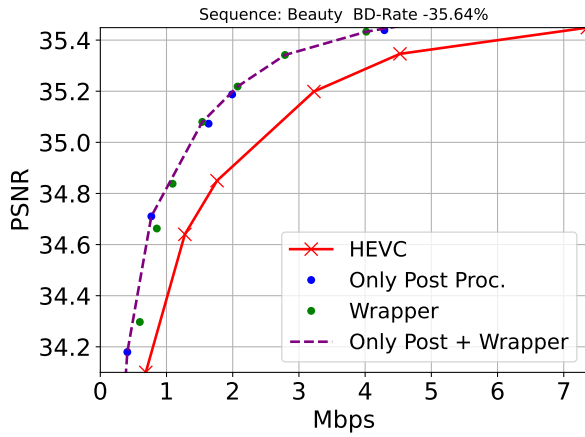
*Yueyu Hu**, *Chenhao Zhang**, *Onur G. Guleryuz[†]*, *Debargha Mukherjee[†]*, *Yao Wang**

*New York University, Dept. Electrical and Computer Engineering, Brooklyn, NY, 11201, USA

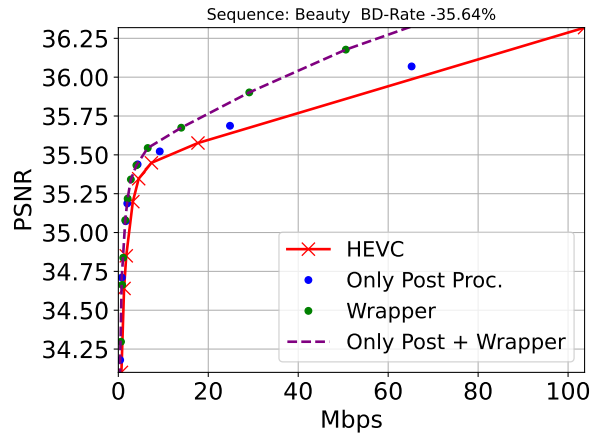
[†]Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA, 94043, USA

PART I

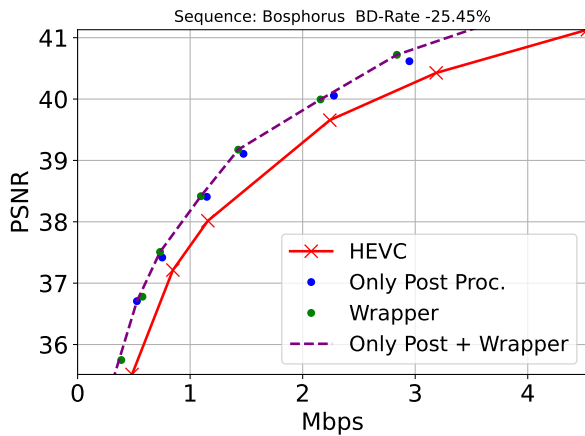
Rate-Distortion Curves on UVG Dataset with HEVC



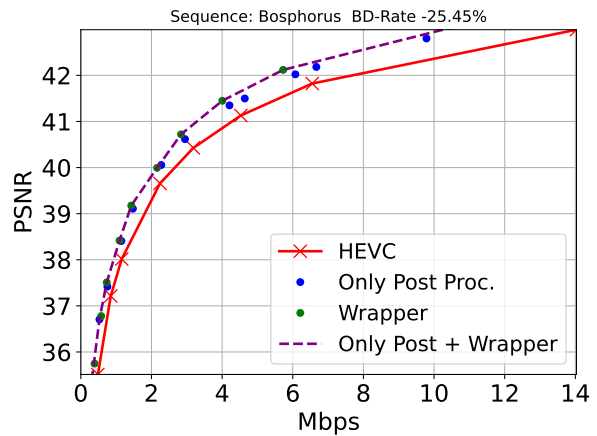
(a) Small range



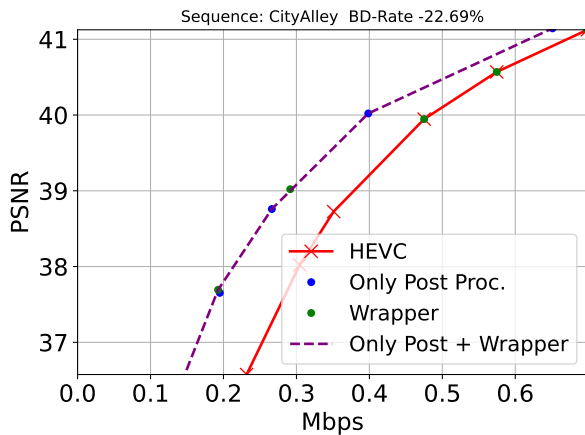
(b) Large range



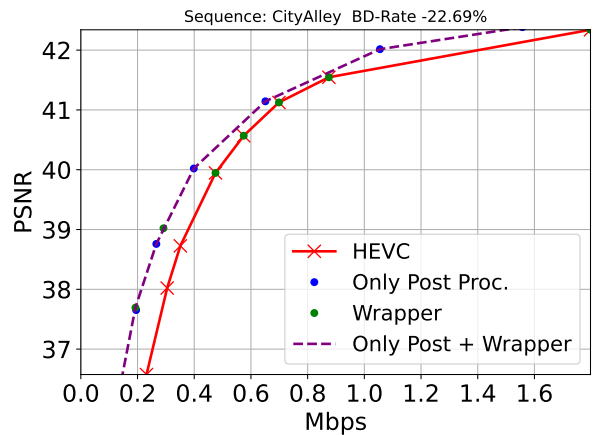
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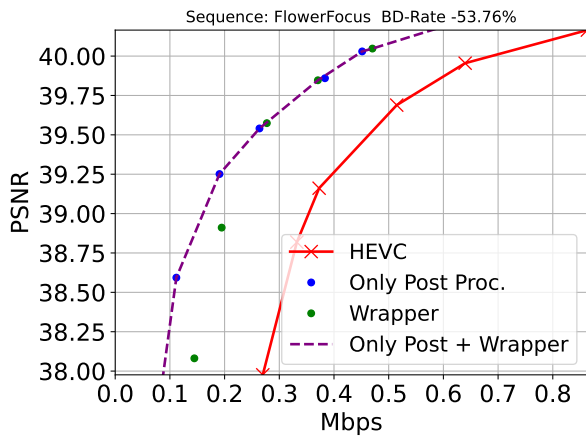
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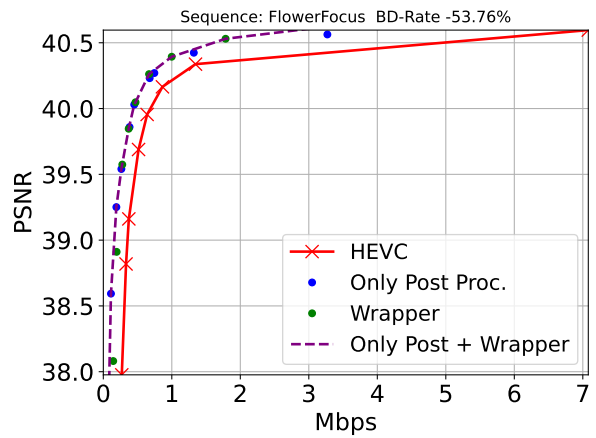
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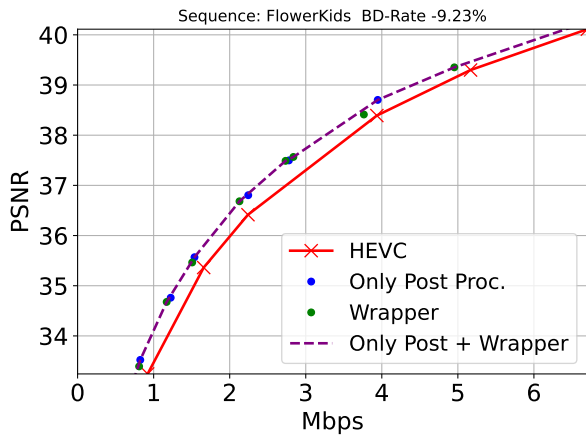
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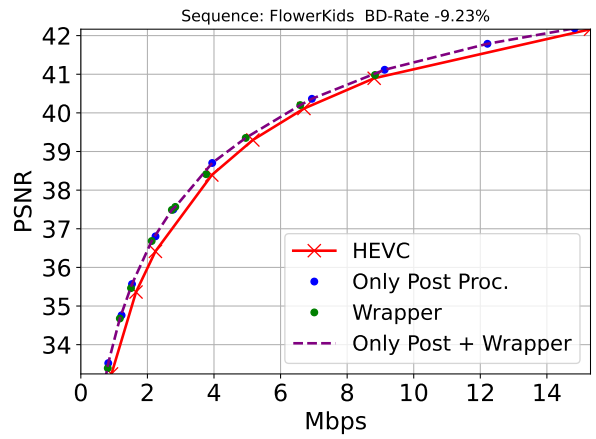
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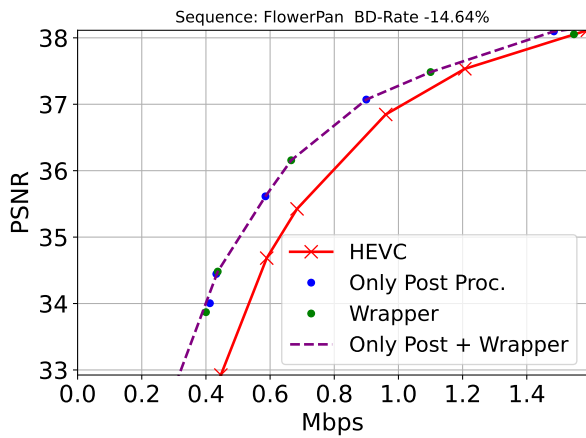
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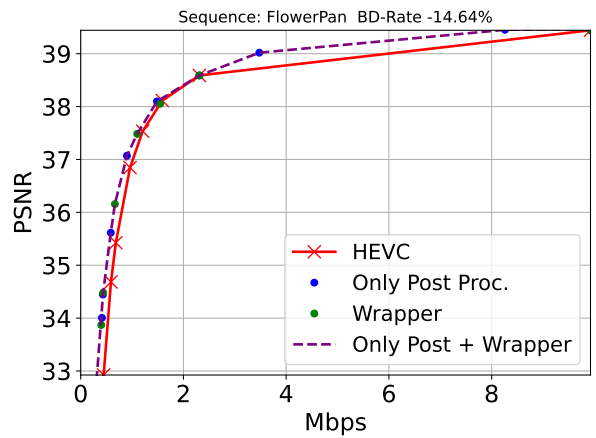
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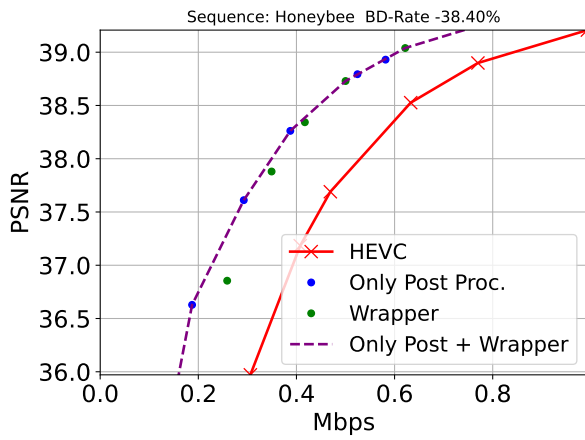
(b) Large range



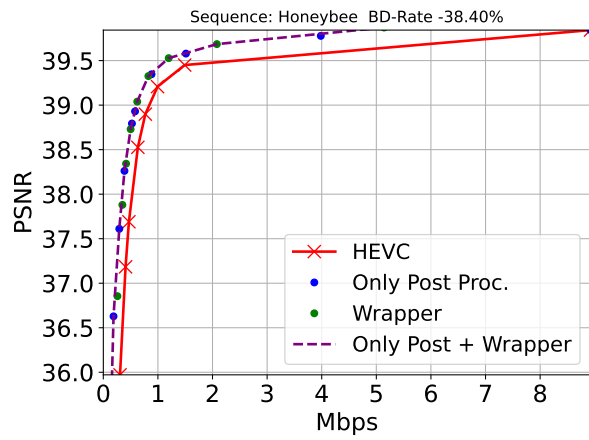
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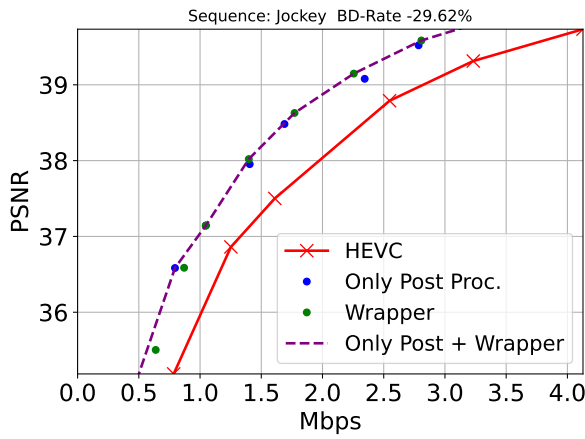
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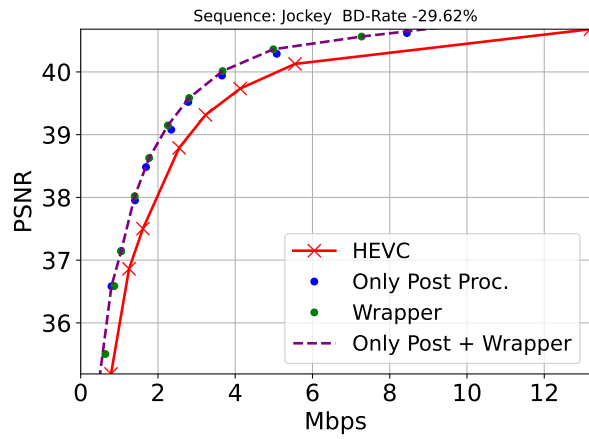
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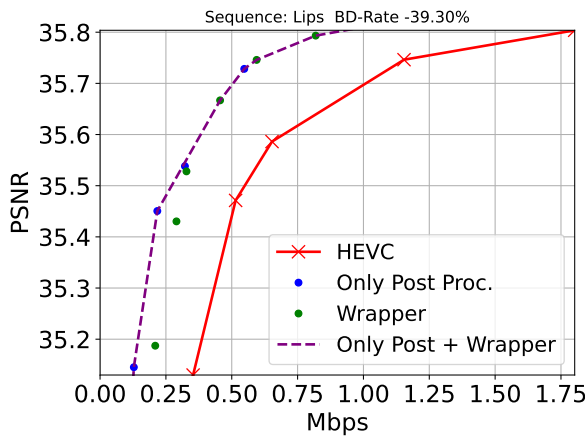
(b) Large range



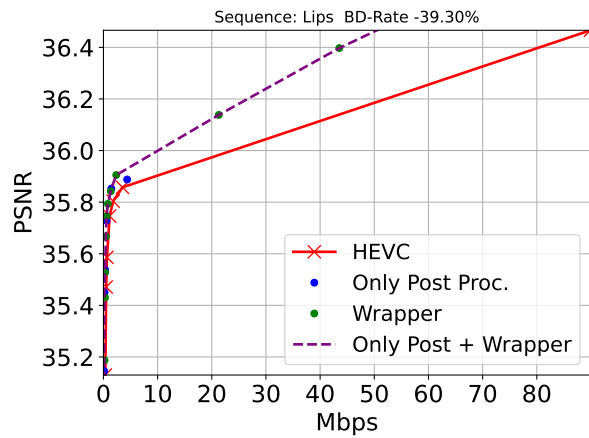
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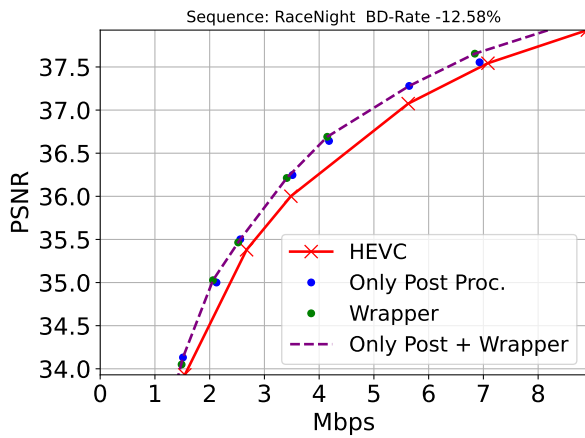
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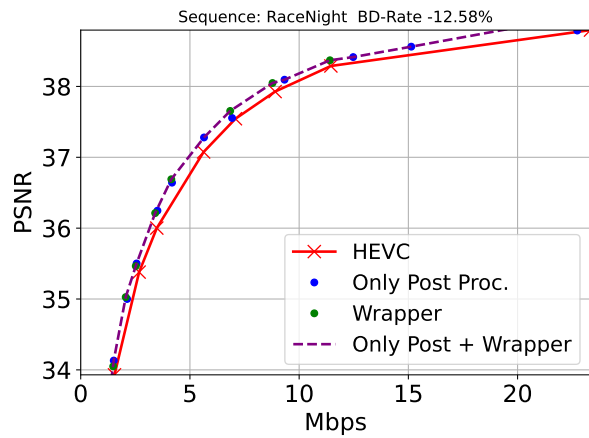
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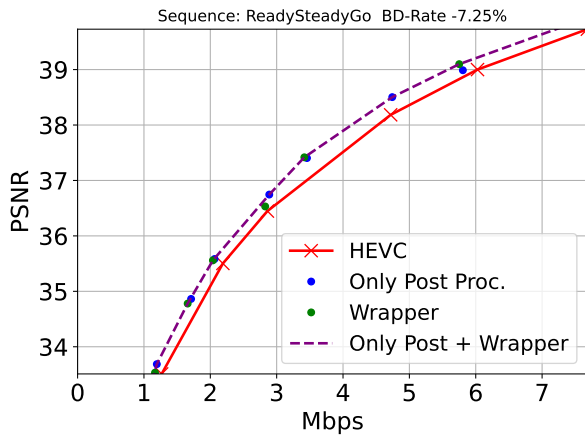
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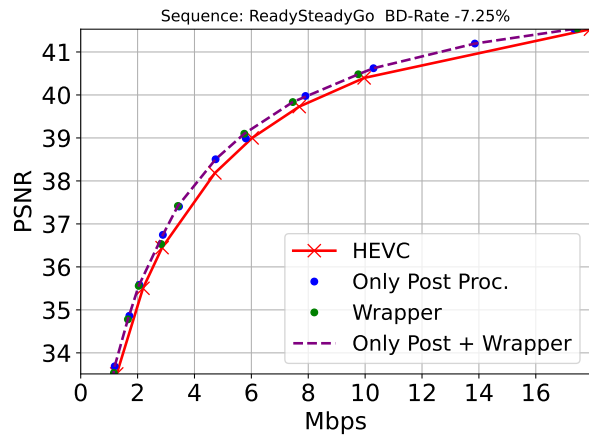
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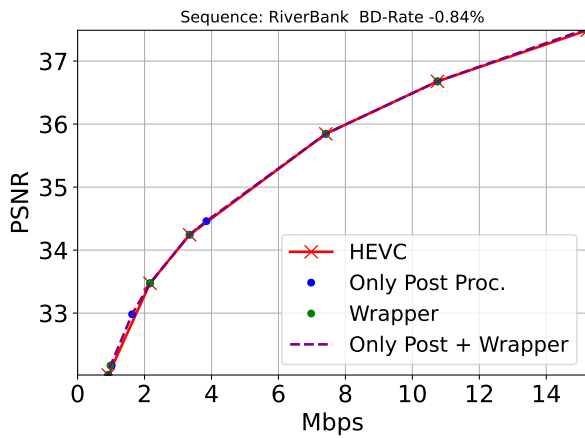
(b) Large range



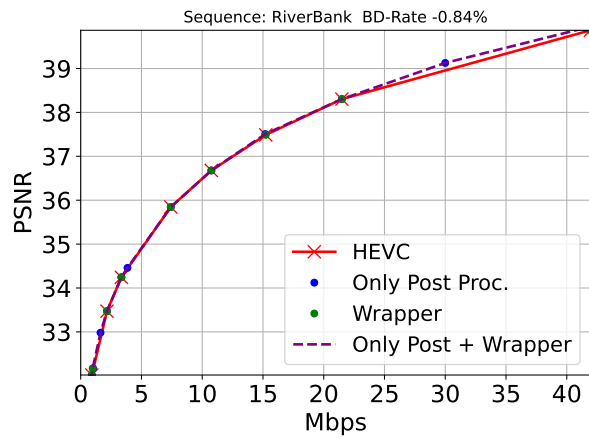
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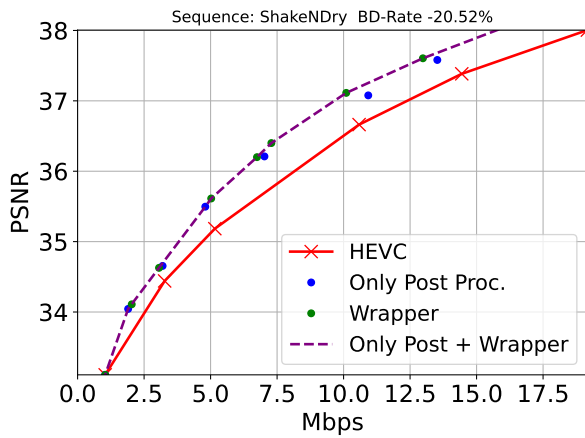
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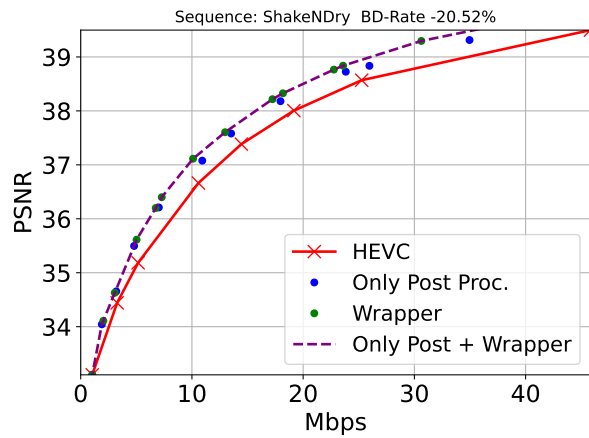
(a) Small range



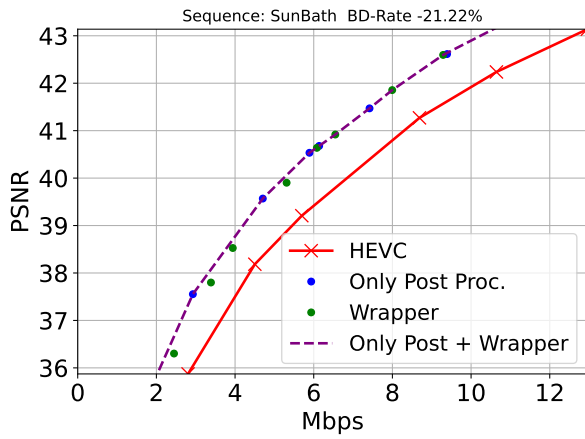
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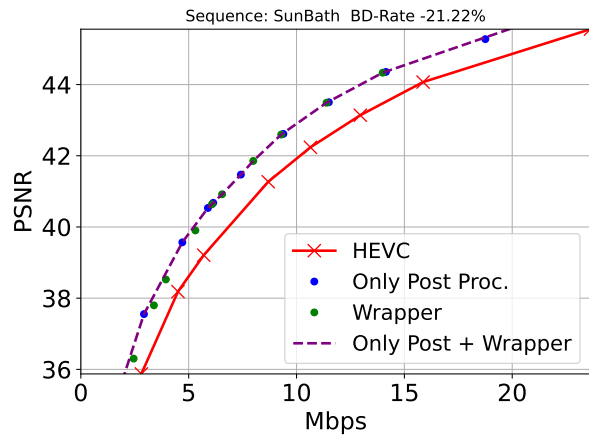
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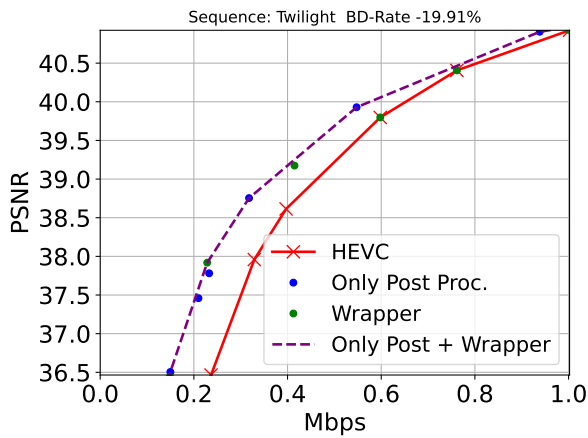
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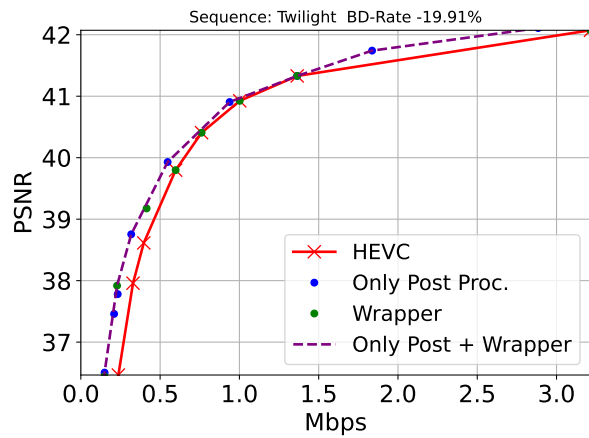
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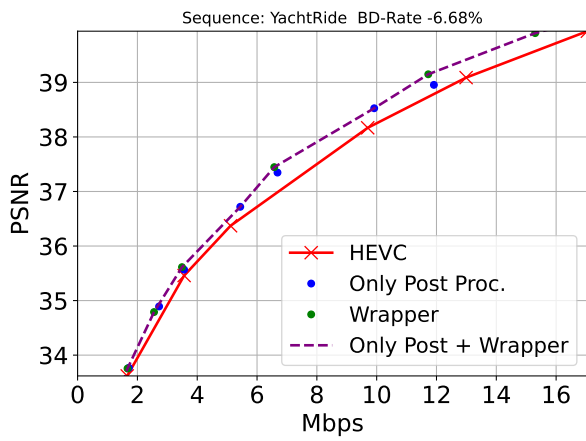
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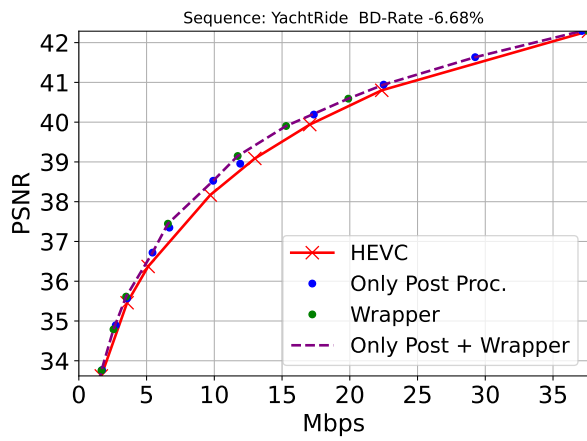
(a) Small range



(b) Large range



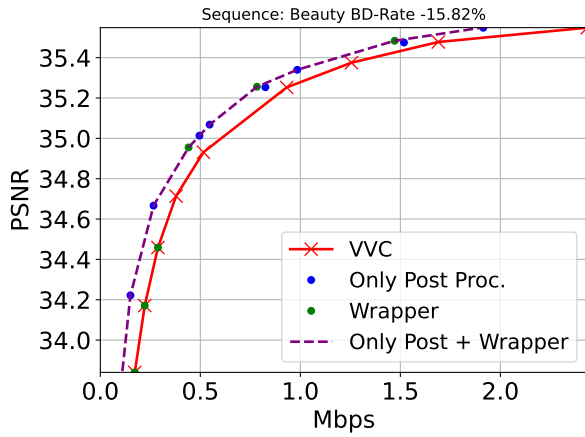
(a) Small range



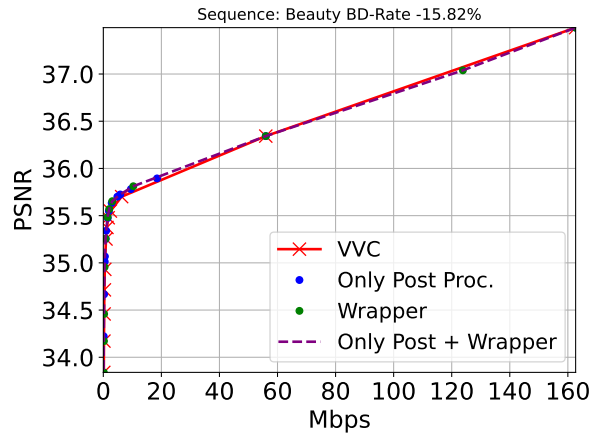
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PART II

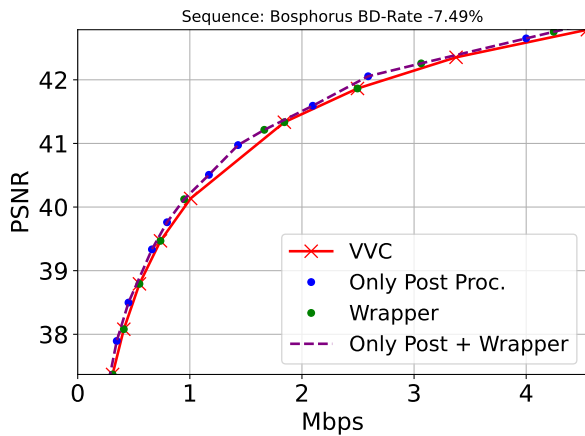
Rate-Distortion Curves on UVG Dataset with VVC



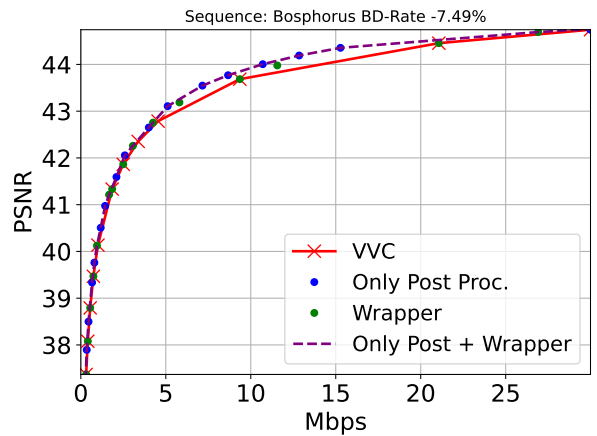
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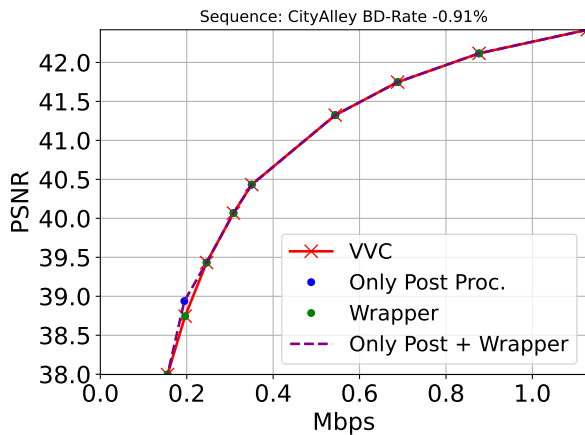
(b) Large range



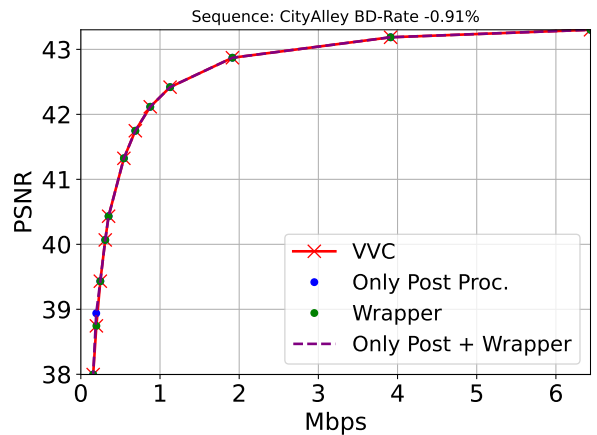
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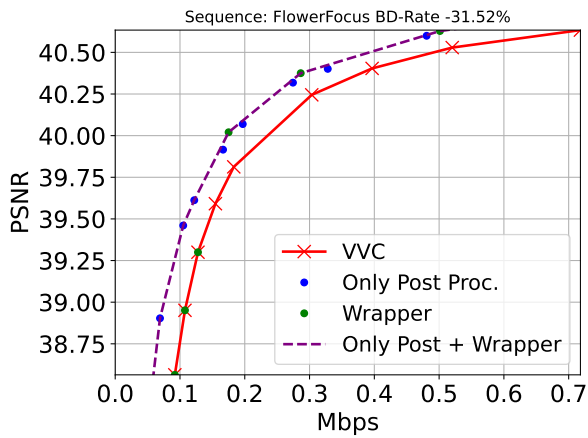
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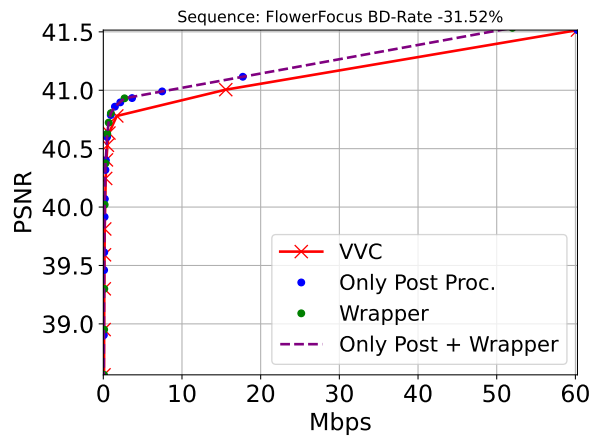
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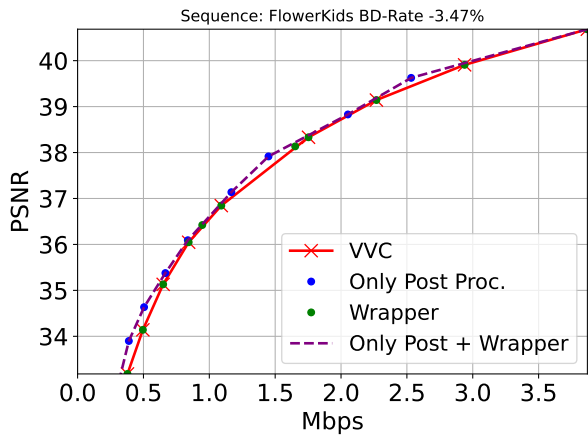
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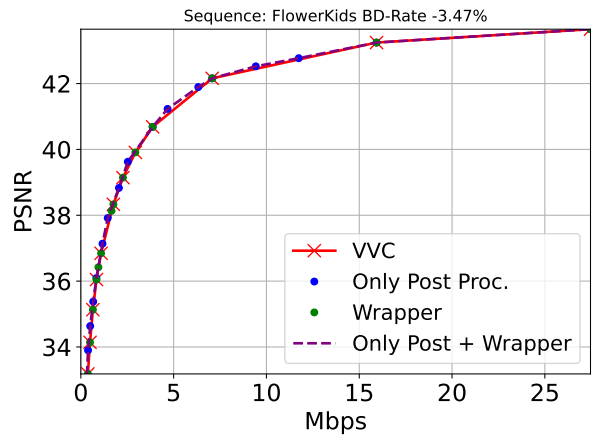
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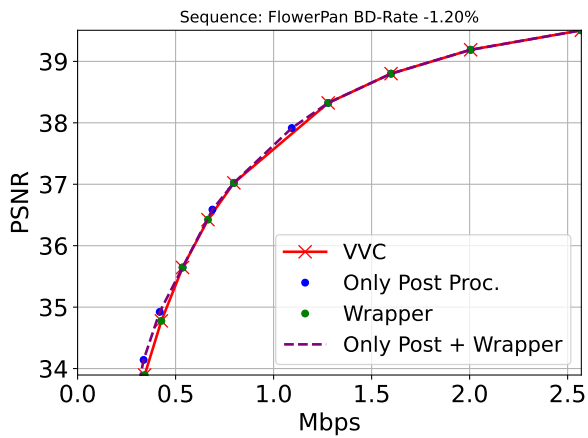
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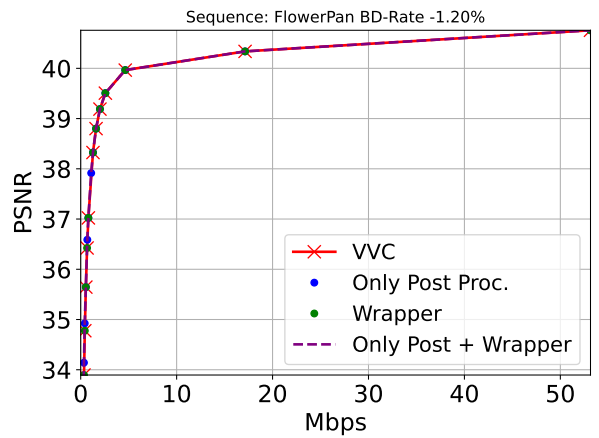
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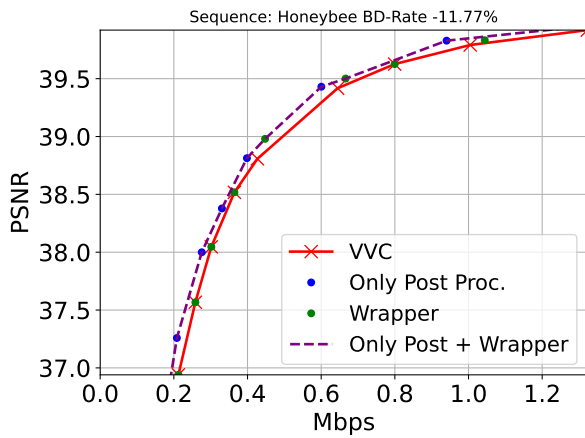
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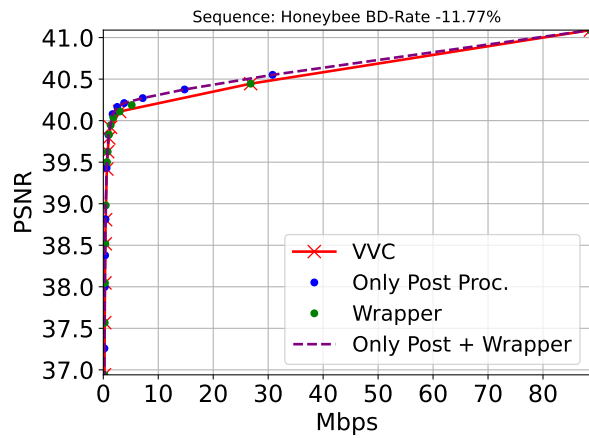
(a) Small range



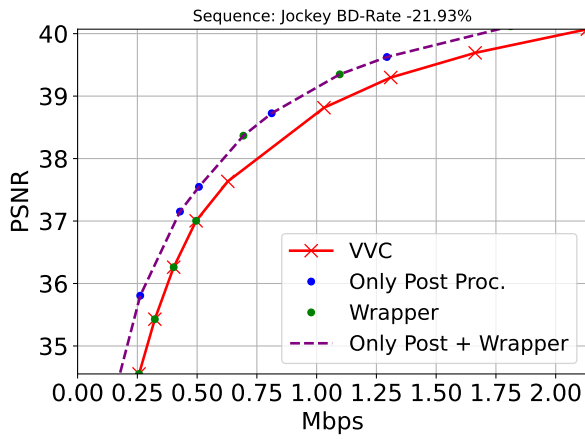
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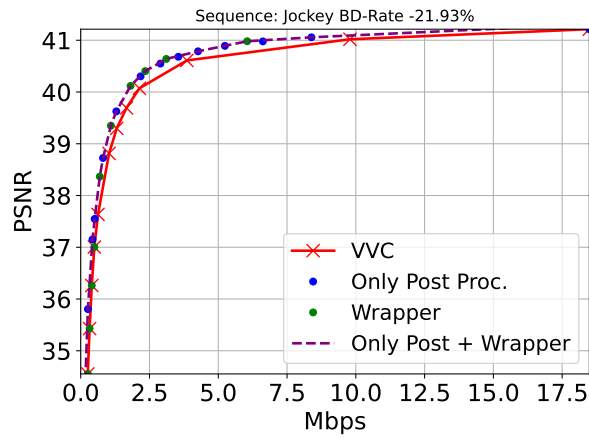
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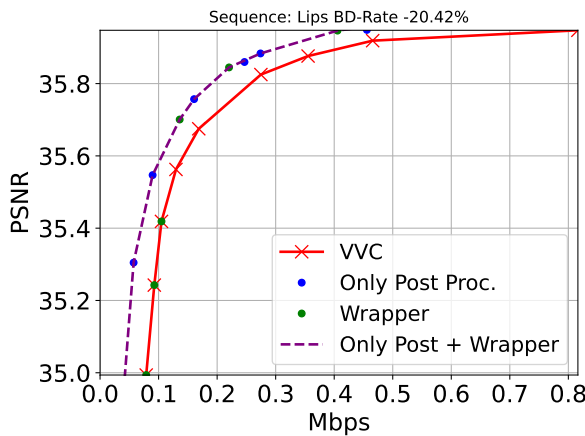
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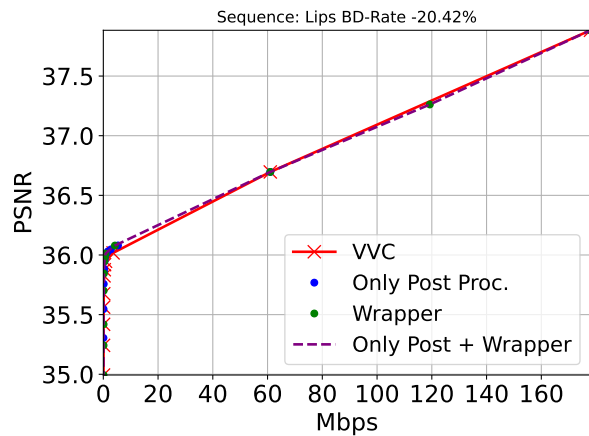
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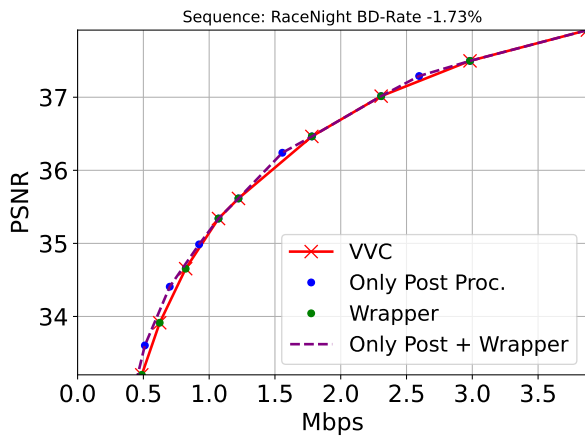
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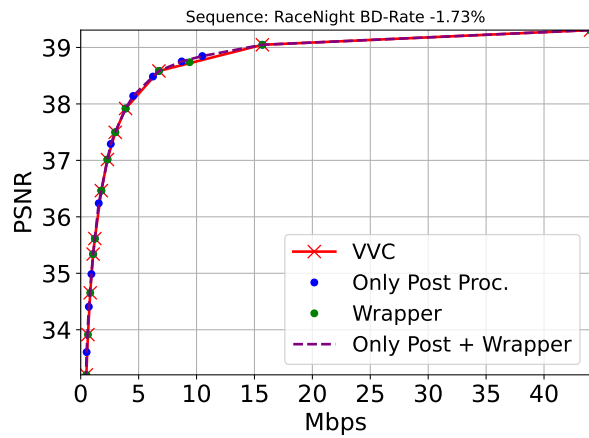
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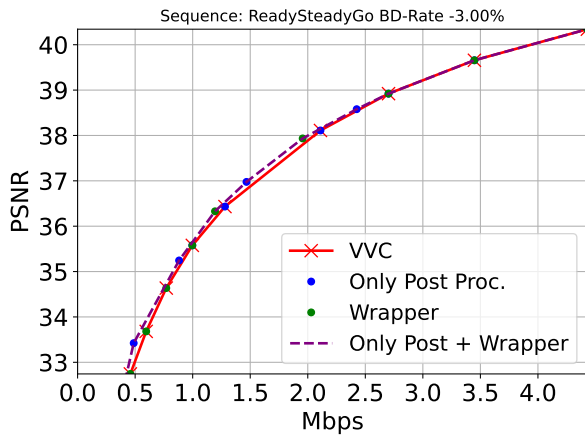
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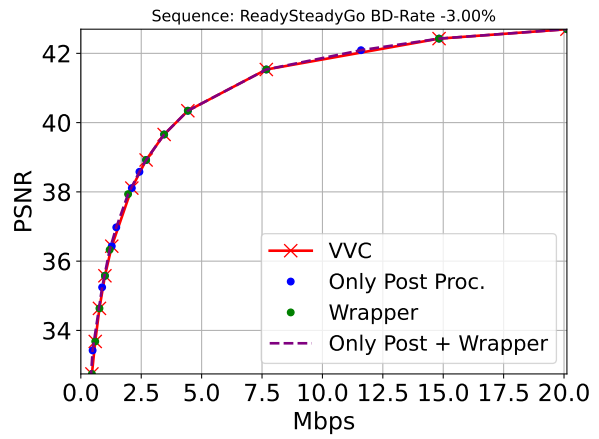
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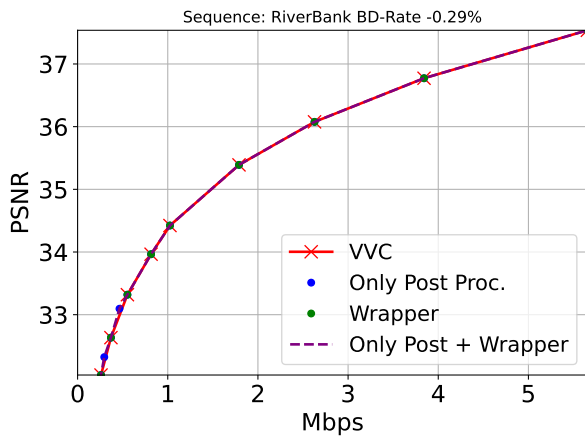
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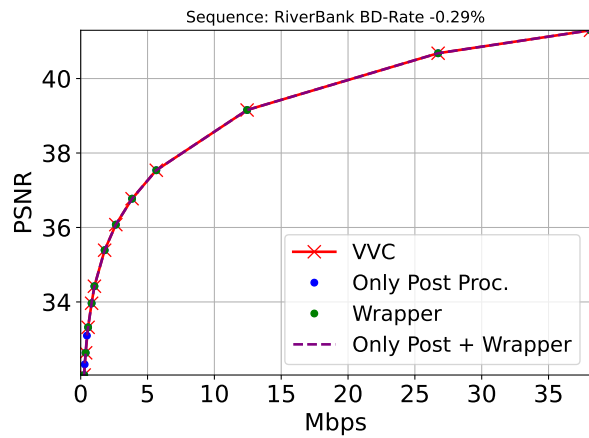
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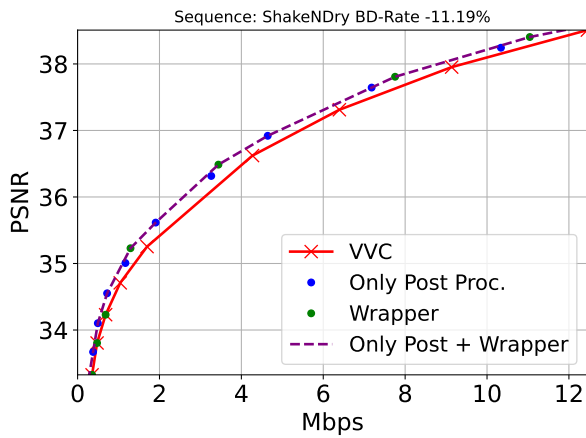
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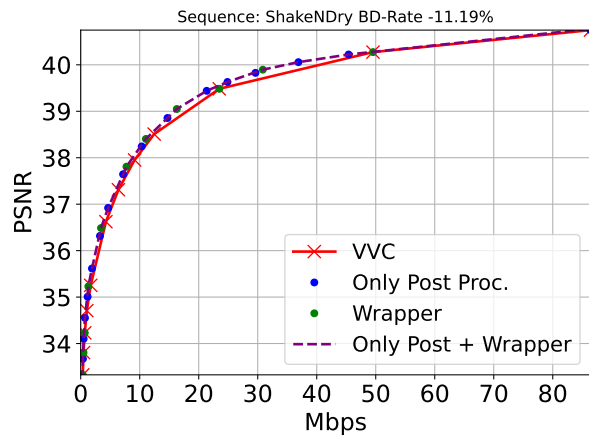
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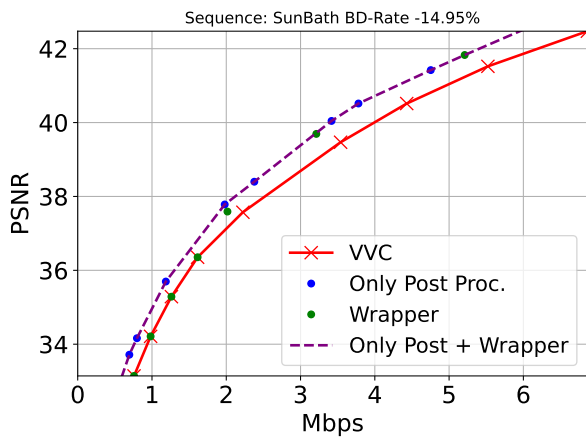
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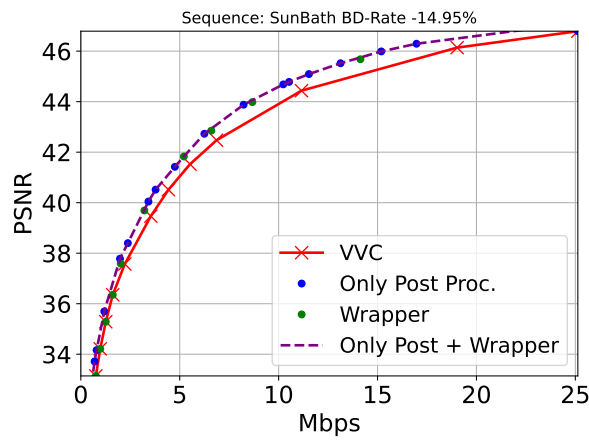
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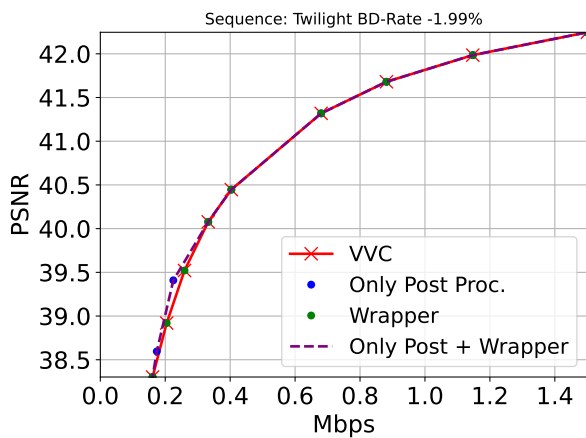
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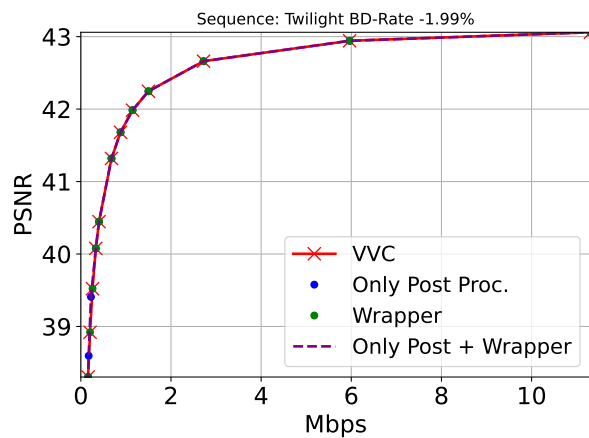
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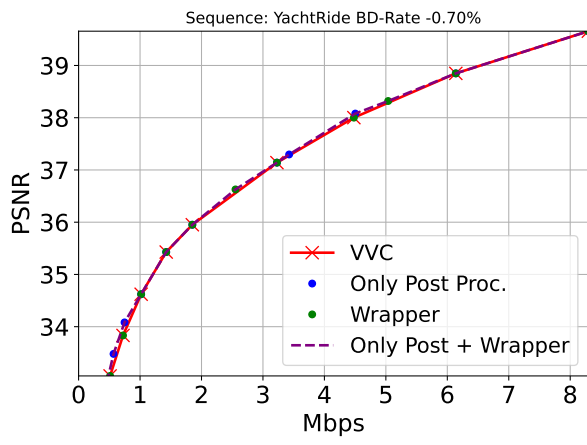
(b) Large range



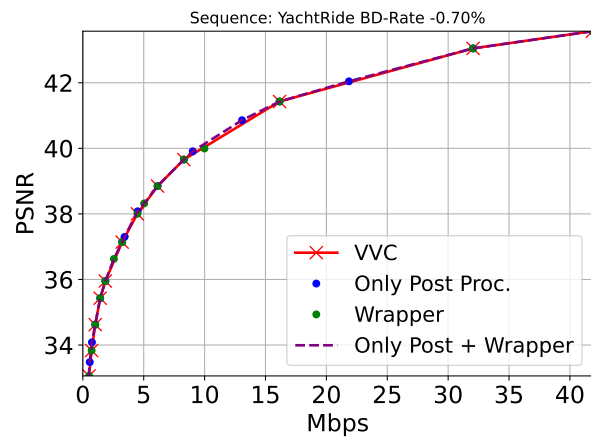
(a) Small range



(b) Large range



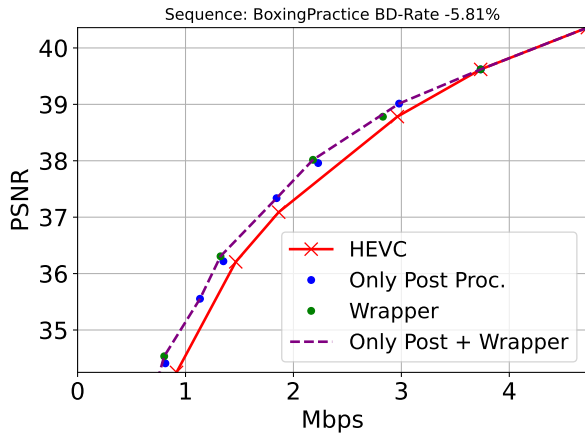
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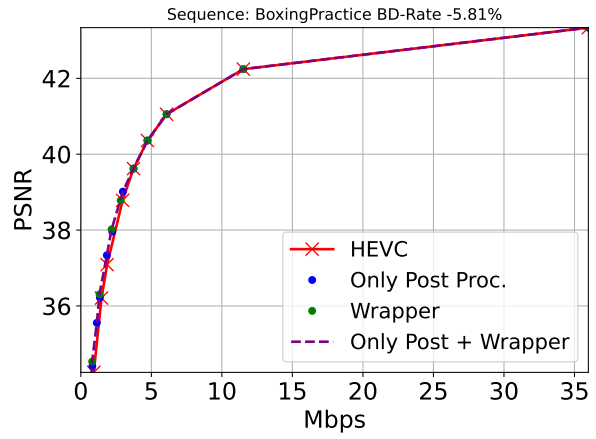
(b) Large range

PART III

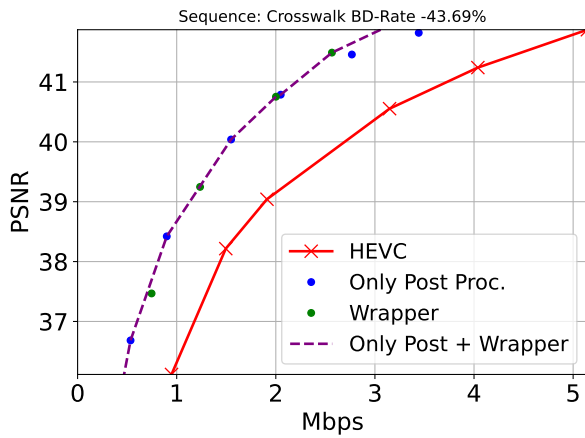
Rate-Distortion Curves on AOM CTC Class A1 with HEVC



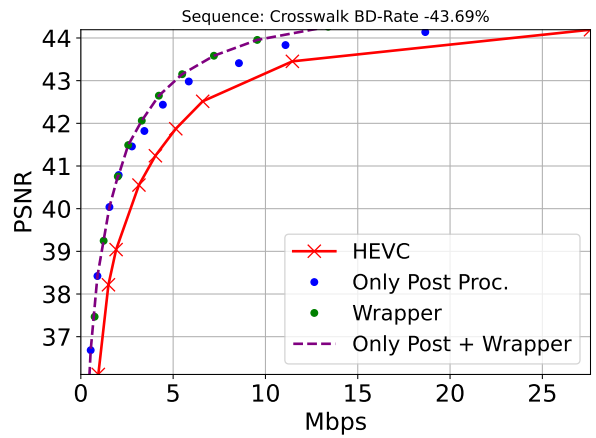
(a) Small range



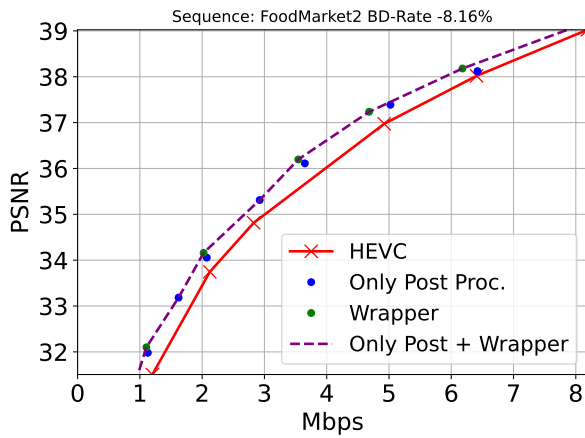
(b) Large range



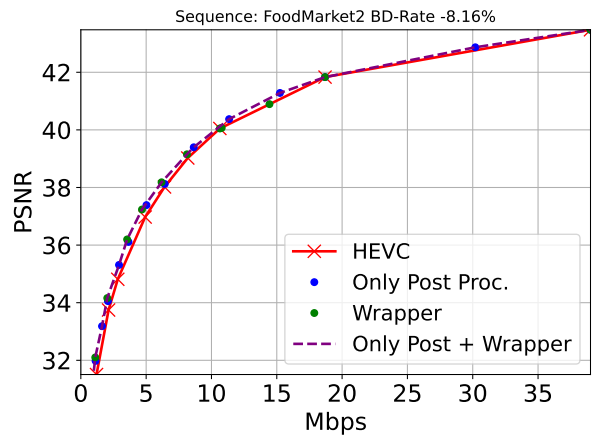
(a) Small range



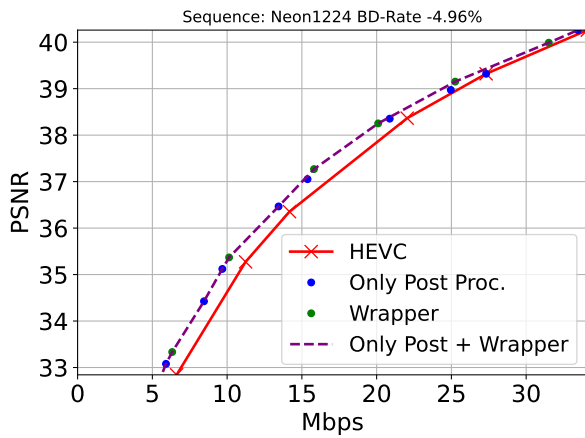
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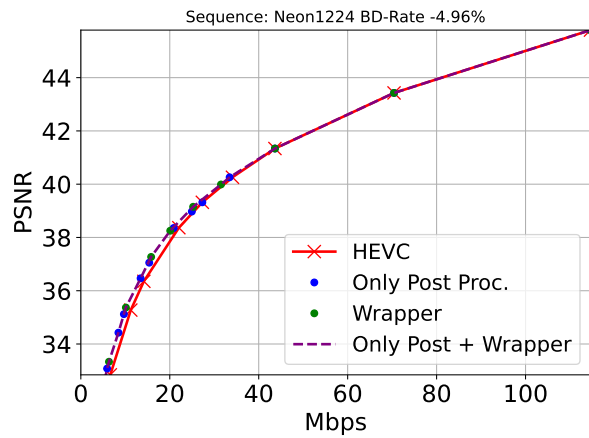
(a) Small range



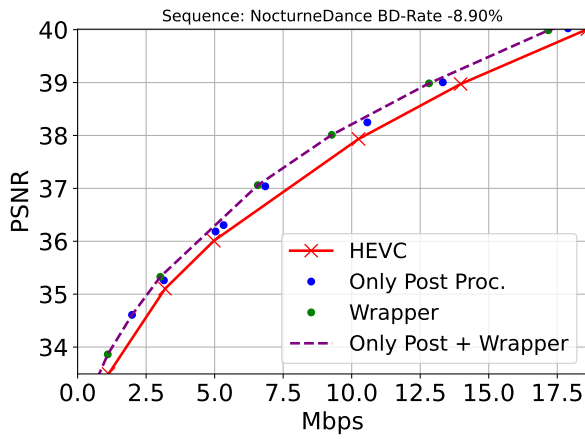
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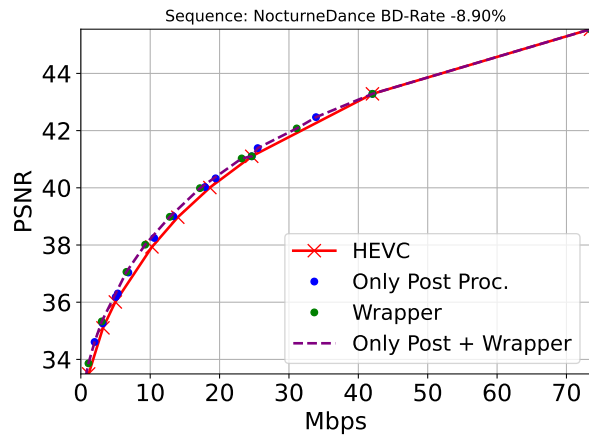
(a) Small range



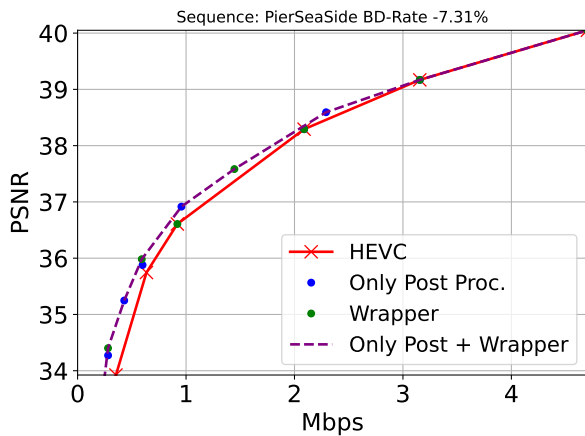
(b) Large range



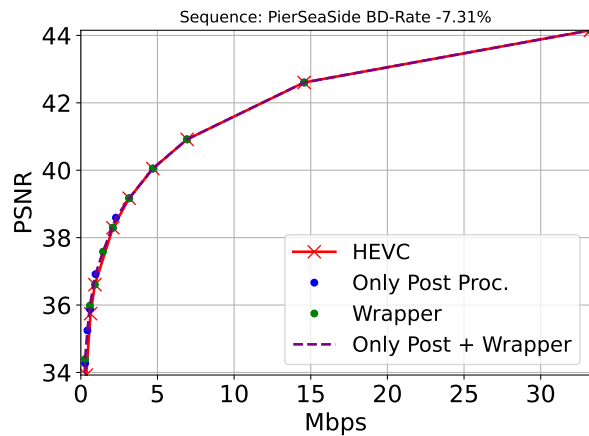
(a) Small range



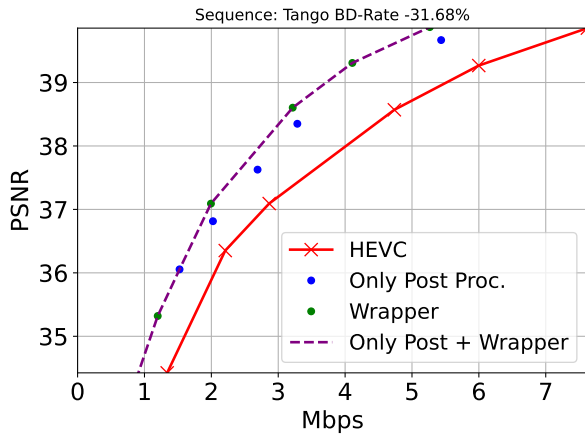
(b) Large range



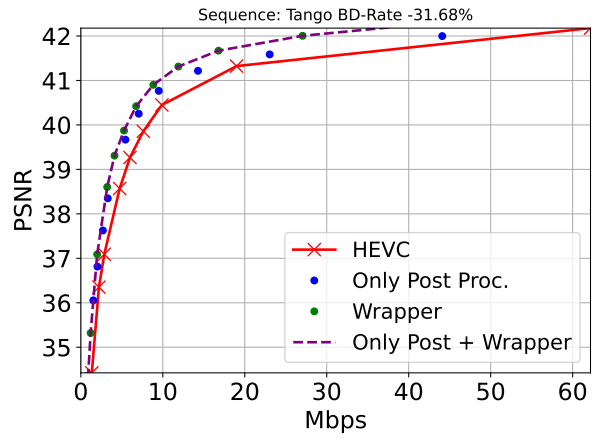
(a) Small range



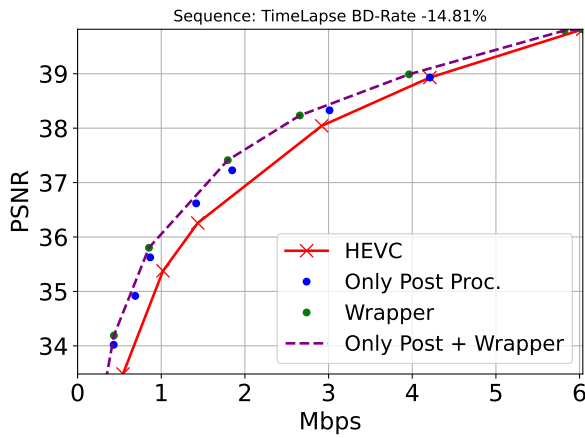
(b) Large range



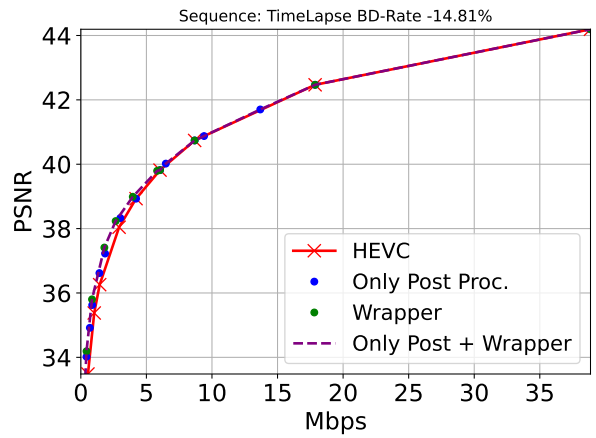
(a) Small range



(b) Large range



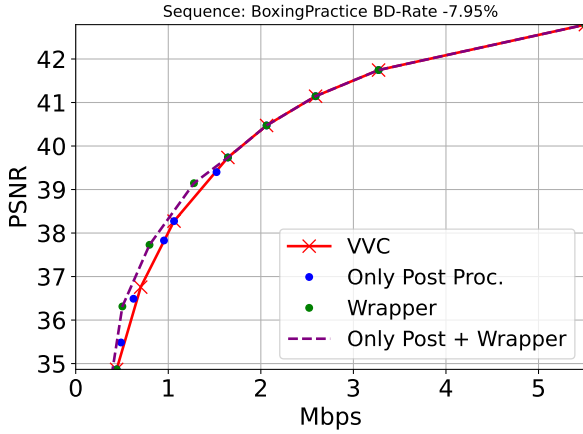
(a) Small range



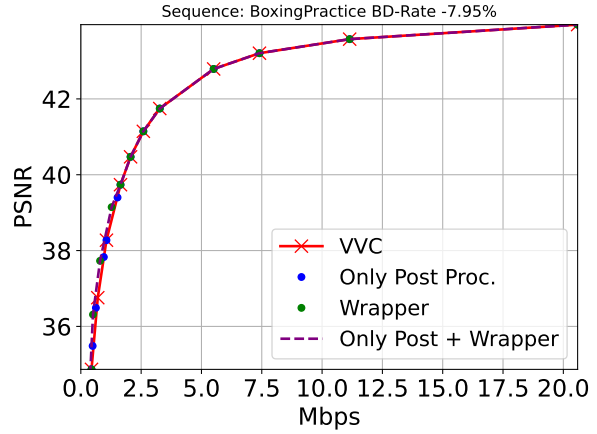
(b) Large range

PART IV

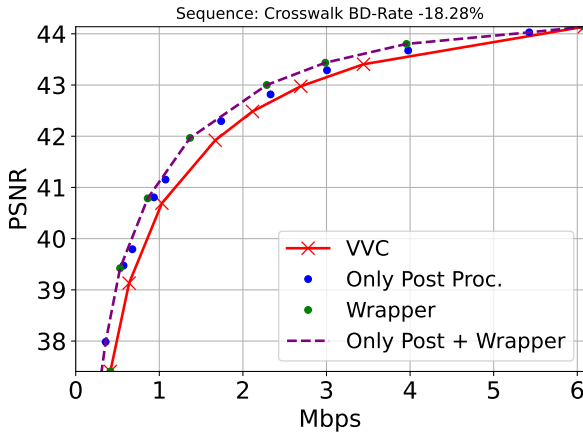
Rate-Distortion Curves on AOM CTC Class A1 with VVC



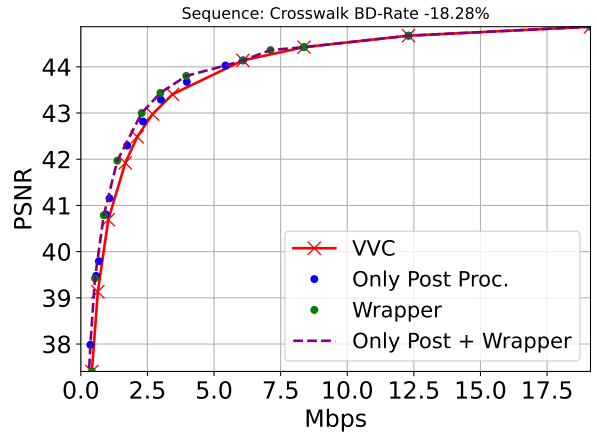
(a) Small range



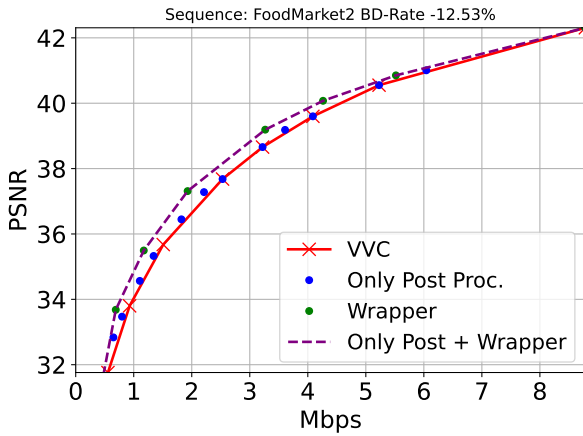
(b) Large range



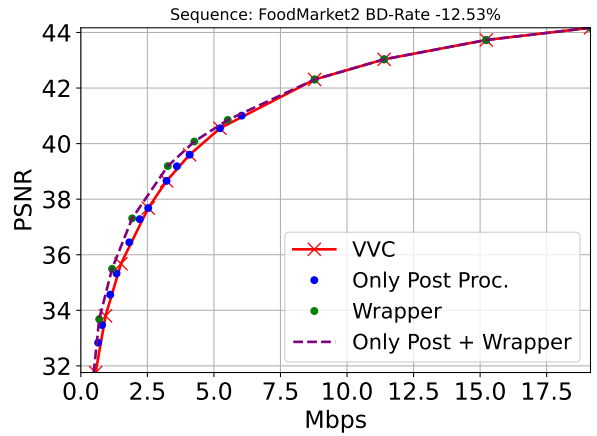
(a) Small range



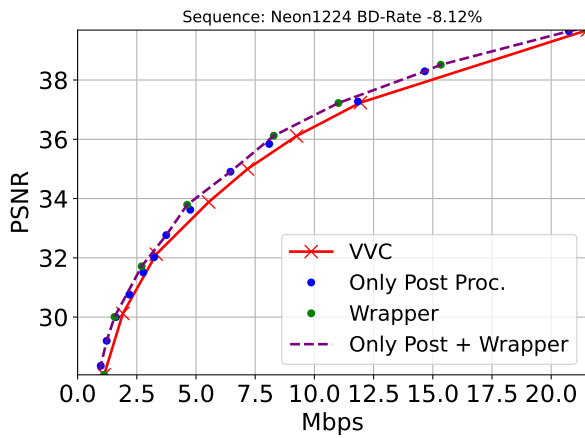
(b) Large range



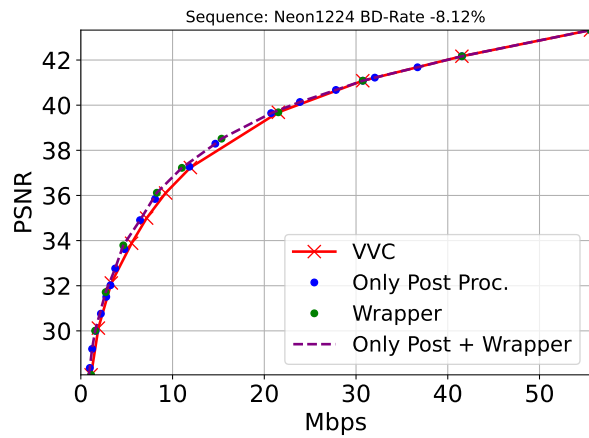
(a) Small range



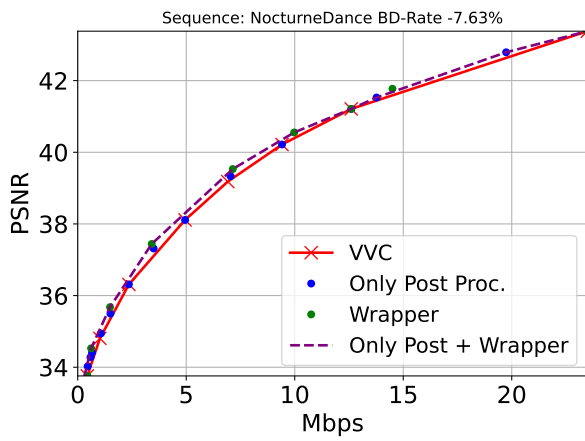
(b) Large range



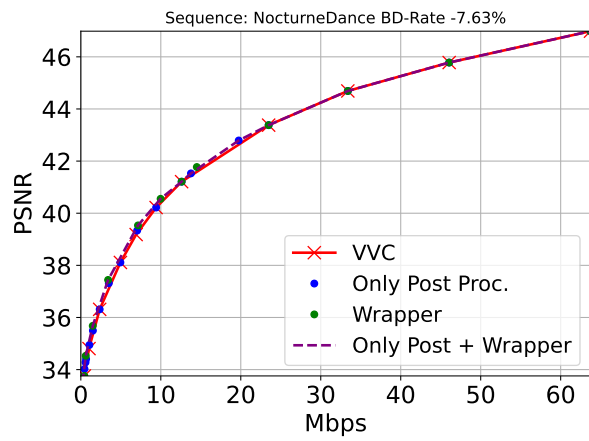
(a) Small range



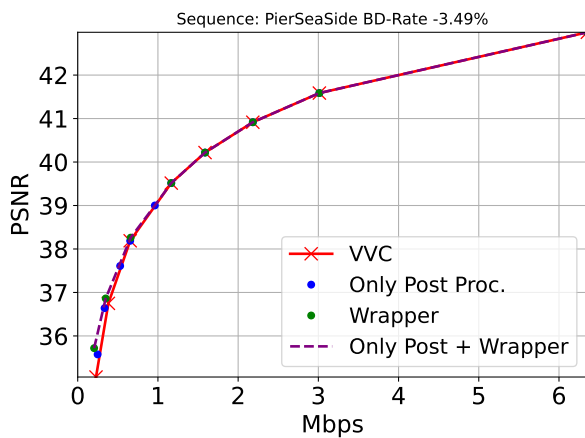
(b) Large range



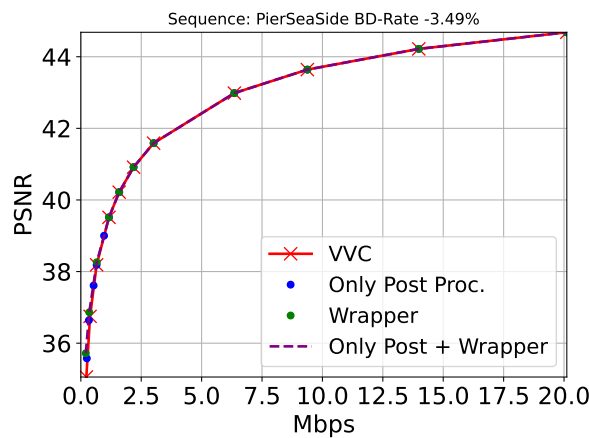
(a) Small range



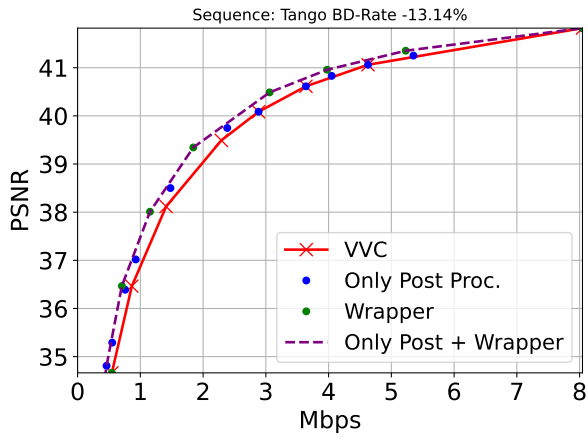
(b) Large range



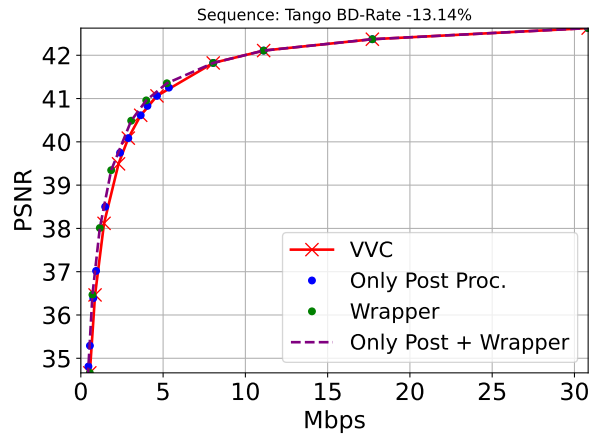
(a) Small range



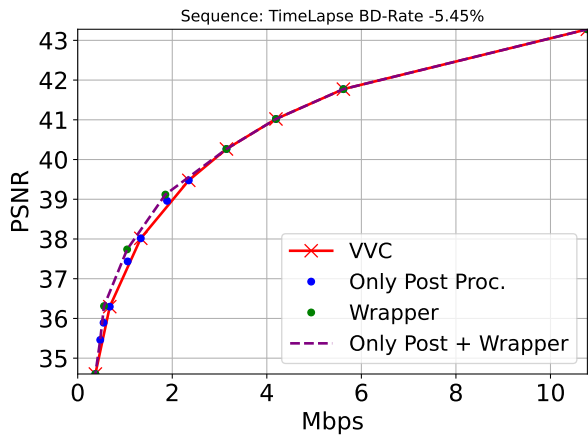
(b) Large range



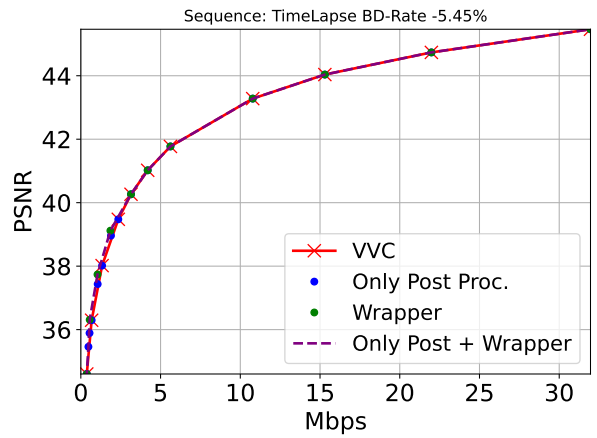
(a) Small range



(b) Large range



(a) Small range



(b) Large range