CLAIMS

1. A method for video processing, comprising:

determining, for a conversion between a current video block of a current picture of a video and a bitstream of the video, whether to use a first half-pel interpolation filter based on whether a refence picture resampling tool is enabled; and

performing the conversion based on the determining;

wherein ~~if~~in case that the refence picture resampling tool is enabled, a resolution of the current picture is different to that of a reference picture of the current video block.

2. The method of claim 1, wherein the first half-pel interpolation filter is not applied to the current video block based on enable of the reference picture resampling tool.

3. The method of claim 1, wherein a second half-pel interpolation filter other than the first half-pel interpolation filter is applied to the current video block based on enable of the reference picture resampling tool.

4. The method of claim 1, wherein a half-pel precision interpolation filter index of the first half-pel precision interpolation filter is equal to 1.

5. The method of claim 3, wherein a half-pel precision interpolation filter index of the second half-pel precision interpolation filter is equal to 0.

6. The method of claim 3, wherein the second half-pel interpolation filter corresponds to an 8-tap filter with filter coefficients [−1 4 −11 40 40 −11 4 −1].

7. The method of claim 1, wherein the first half-pel interpolation filter corresponds to a 6-tap filter with filter coefficients [3 9 20 20 9 3].

8. The method of claim 1, wherein the current video block is coded with at least one motion vector pointing to a half-pel position if the first half-pel interpolation filter is used.

9. The method of claim 1, wherein the current video block is coded with at least one motion vector pointing to a horizontal half-pel position or a vertical half-pel position or a horizonal and vertical half-pel position if the first half-pel interpolation filter is used.

10. The method of ~~any one of claims 1-9~~claim 1, wherein the conversion comprises encoding the current video block into the bitstream.

11. The method of ~~any one of claims 1-9~~claim 1, wherein the conversion comprises decoding the current video block from the bitstream.

12. An apparatus for processing video data comprising a processor and a non-transitory memory with instructions thereon, wherein the instructions upon execution by the processor, cause the processor to:

determine, for a conversion between a current video block of a current picture of a video and a bitstream of the video, whether to use a first half-pel interpolation filter based on whether a refence picture resampling tool is enabled; and

perform the conversion based on the determining;

wherein ~~if the~~in case that the refence picture resampling tool is enabled, a resolution of the current picture is different to that of a reference picture of the current video block.

13. The apparatus of claim 12, wherein the first half-pel interpolation filter is not applied to the current video block based on enable of the reference picture resampling tool.

14. The apparatus of claim 12, wherein a second half-pel interpolation filter other than the first half-pel interpolation filter is applied to the current video block based on enable of the reference picture resampling tool.

15. The apparatus of claim 12, wherein a half-pel precision interpolation filter index of the first half-pel precision interpolation filter is equal to 1 and a half-pel precision interpolation filter index of the second half-pel precision interpolation filter is equal to 0.

16. The apparatus of claim 14, wherein the second half-pel interpolation filter corresponds to an 8-tap filter with filter coefficients [−1 4 −11 40 40 −11 4 −1].

17. The apparatus of claim 12, wherein the first half-pel interpolation filter corresponds to a 6-tap filter with filter coefficients [3 9 20 20 9 3].

18. A non-transitory computer-readable storage medium storing instructions that cause a processor to:

determine, for a conversion between a current video block of a current picture of a video and a bitstream of the video, whether to use a first half-pel interpolation filter based on whether a refence picture resampling tool is enabled; and

perform the conversion based on the determining;

wherein ~~if~~in case that the refence picture resampling tool is enabled, a resolution of the current picture is different to that of a reference picture of the current video block.

19. The non-transitory computer-readable storage medium of claim 18, wherein the first half-pel interpolation filter is not applied to the current video block based on enable of the reference picture resampling tool.

20. A non-transitory computer-readable recording medium storing a bitstream of a video which is generated by a method performed by a video processing apparatus, wherein the method comprises:

determining, for a current video block of a current picture of a video, whether to use a first half-pel interpolation filter based on whether a refence picture resampling tool is enabled; and

generating the bitstream based on the determining;

wherein ~~if~~in case that the refence picture resampling tool is enabled, a resolution of the current picture is different to that of a reference picture of the current video block.