Min. BD (\textit{bit depth}) and WL (\textit{word length}) for Specific Lossless
Reconstruction error for random input (1/2)

Reconstruction error for random input (2/2)

Reconstruction error for impulse and step input

Variations of the Specific Lossless Wavelet

**LS type** conventional

(a) Lifting -Scaling (LS) type
Conclusions

Proposed a New Class of Wavelet
- **Specific Lossless** lossless for DC signals

Determined
- minimum BD for the Specific Lossless
- minimum WL under the min.BD

Standard requirement
- guarantee no error for white balance