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Title: Bi-histogram equalization using modified histogram bins

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Research Highlights

- The proposed BHEMHB improves conventional histogram equalization.
- Histogram segmentation enables mean brightness preservation.
- Histogram modification reduces domination effect of high-frequency histogram bins.
- BHEMHB is tested using standard and cervical cell images.
- Statistical analyses reveal improvement in entropy, PSNR and AMBE measurements.

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