大话成像之

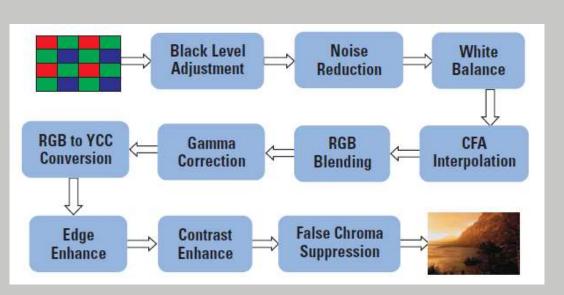
数字成像系统 32讲

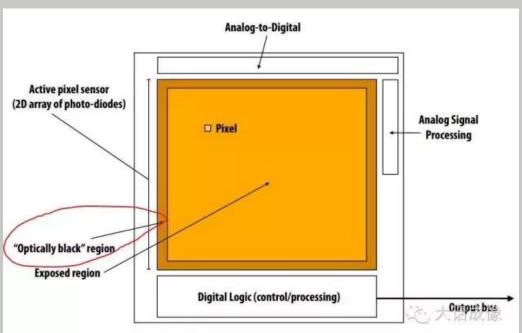
黑电平与线性化

Maver Jiang

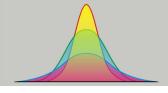
imaging algorithm specialist staff image quality engineer maver.jiang@gmail.com







Output = input - blacklevel





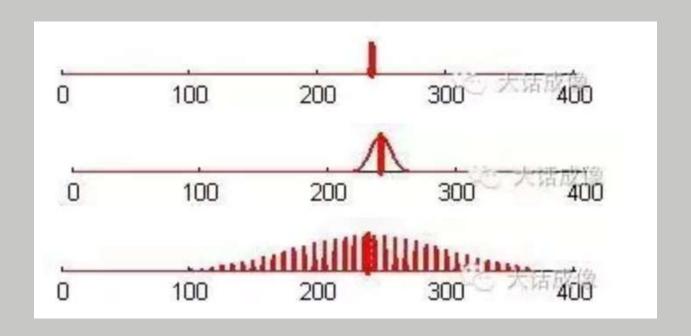


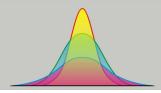




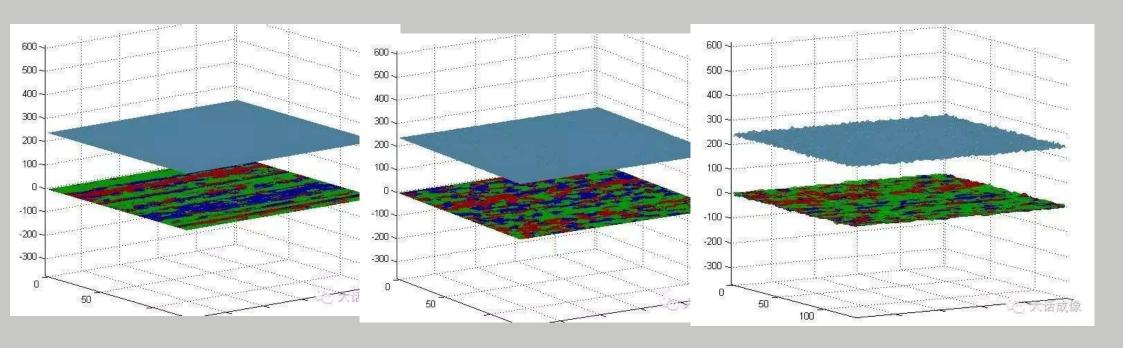


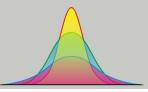
Gain by gain histogram:



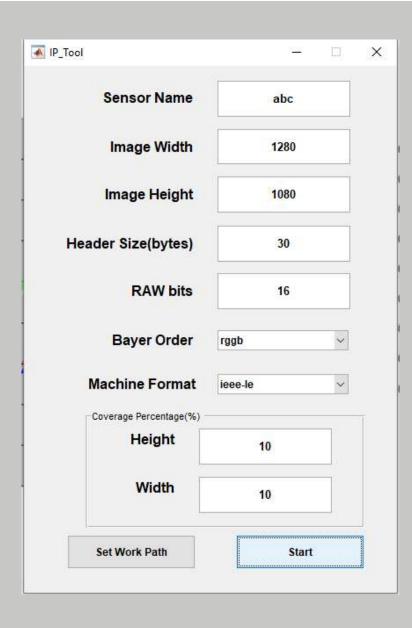


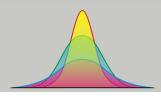
Gain by gain 3D plot :



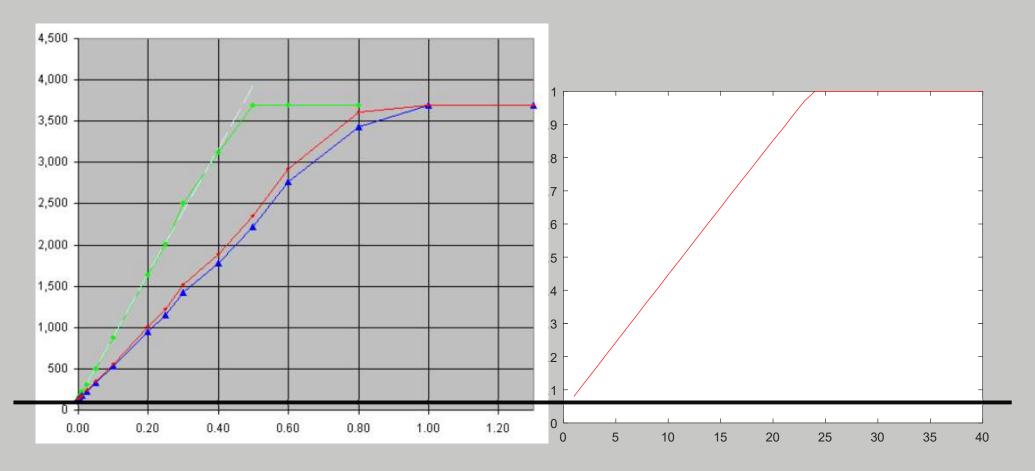


线性化的测量:





线性化曲线与矫正





线性化不良的现象:







线性化不良的分析:





THANKS

本课程由 Maver Jiang提供



大话成像之 数字成像系统 32 讲

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- 4. 颜色科学基础
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- 6. 3A概述
- 7. 黑电平与线性化
- 8. Green Imbalance
- 9. 坏点消除
- 10. Vignetting与Color shading
- 11. SNR 与Raw Denoise
- 12. Dynamic Range与Tone Mapping
- 13. MTF与Demosaic
- 14. 色彩空间与色彩重建
- 15. Color Correction Matrix与3D LUT
- 16. Gamma与对比度增强
- 17. Sharpening

- 18. Color Space Conversion
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- 20. 时域去噪
- 21. Color Aberrance Correction and Depurple
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- 23. 自动曝光
- 24. 自动白平衡
- 25. 自动对焦
- 26. 闪光灯
- 27. HDR
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- 29. Encoder
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- 31. 图像质量评价工具与方法
- 32. 画质调优

