**Motivation**
- Traditional Denoising techniques usually use information from a single image.
- Burst denoising can create a clean image by aligning and merging a burst of underexposed photos.
- The Neural Radiance Field (NeRF) is a technique for novel view synthesis. It requires 25-100 images as inputs.
- Like Burst denoising, NeRF could potentially serve as a denoise tool, as it integrates information from many input images.

**NeRF vs Burst denoising**

**Related Work**

RawNeRF [1]
- This paper shows NeRF is robust to the zero-mean distribution of raw noise.
- The post-processing pipeline in the camera will distort the noise distribution.
- Training NeRF directly on linear Raw data will produce better denoising results.

**Dataset**

**Reference**


**Experimental Results**

Based on our results:
- Traditional denoising techniques perform better in PSNR and LPIPS.
- NeRF outperforms visually and in SSIM.
- NeRF performs comparably with other AI denoising techniques.