

Title of Your Paper

Anonymous CVPR submission

Paper ID *****

Abstract

The abstract is a brief summary of your paper. 4-8 sentences for addressing: What is the problem? Why it is interesting (why do we care)? What is new (e.g., the proposed method/dataset and its novelty)? What are the results (e.g., insightful findings, surprising results, state-of-the-art results)?

For example: This paper addresses the problem of xxx. Existing methods for this problem xxx (limitation). We propose xxx. Experiments on xxx show that our method outperforms previous approaches, demonstrating the effectiveness of our method.

Please do not include citations in the abstract.

1. Introduction

The introduction can be considered as the expansion of the abstract. Usually, the introduction consists of the following four parts:

1. Introduce what is the problem and its significance.
2. Introduce the most related existing methods and point out their limitations.
3. Introduce the motivation and key idea of the proposed method, and illustrate the novelty and advantages of our method over existing methods.
4. Summarize the key contributions of the paper from the aspects of problem formulation, proposed method, created dataset, technical novelty, experimental results, etc. Normally, the contribution list should not exceed three points.

If you do not know how to start at the very beginning, you may find a most related paper and follow its structure. But please remember DO NOT COPY ANY SENTENCES from other papers, otherwise, you and the coauthors will be in big trouble!

Mistakes to avoid When writing your manuscript, please avoid the following common mistakes:

1. The first character in a sentence should be capitalized:

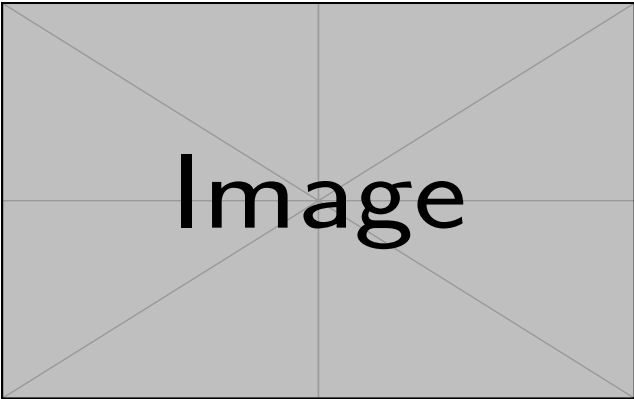


Figure 1. Teaser image. Usually, we will have a teaser image on the first page. It can be the key idea of the proposed method or some eye-catching results.

- how are you? ×
How are you? ✓
2. There should be a space before the open parentheses:
Convolutional neural network(CNN) has been successfully applied on various vision problems. ×
Convolutional neural network (CNN) has been successfully applied on various vision problems. ✓
 3. There should be a space before the citation:
A proposes a method B for this problem[1]. ×
A proposes a method B for this problem [1]. ✓
 4. Double quotation marks should be correctly typed:
Are you "okay"? ×
Are you "okay"? ✓
 5. There should be no space before the period and comma punctuation marks:
Convolutional neural network (CNN) has been successfully applied on various vision problems . ×
Convolutional neural network (CNN) has been successfully applied on various vision problems. ✓
 6. All equations should be numbered and there should be a punctuation (. or ,) at the end of

the equation:

$$E = mc^2 \quad \times \quad (1)$$

$$E = mc^2. \quad \times$$

$$E = mc^2. \quad \checkmark \quad (2)$$

Rules to follow The following are some rules to follow:

1. Define a macro for a word or phrase if it appears frequently (e.g., the method name and the dataset name). The command can be `\newcommand{\NetName}{A Great Deep Net}`.
2. Use `\ie` command for “i.e.” and use `\eg` for “e.g.”.
3. Refer a table with “Table 2” instead of Tab. 1.
4. When referring to a figure, use “Figure 1” at the beginning of a sentence and “Fig. 1” elsewhere.
Fig.1 shows our results. \times
Our results are shown in Fig. 1. \checkmark
Figure 1 shows our results. \checkmark
5. The table caption should be at the top.
6. The figure caption should be at the bottom.

Example of Contribution Summary In summary, the key contributions of this paper are as follows:

- We propose a two-stage framework, which first performs image alignment and HDR fusion in the image space and then in feature space, for HDR video reconstruction from sequences with alternating exposures.
- We create a real-world video dataset captured with alternating exposures as a benchmark to enable quantitative evaluation for this problem.
- Our method achieves state-of-the-art results on both synthetic and real-world datasets.

2. Related Work

Usually, this section consists of multiple paragraphs to introduce the most related fields. All important references should be cited, including the representative papers in this field and the recent related work. Please check the recent CVPR/ICCV/ECCV paper lists to make sure we do not overlook any recent related work.

When citing a paper, please do not start the sentence with the citation number.

- [1] introduces the AlexNet. \times
- Alex et al. [1] introduces AlexNet. \checkmark
- AlexNet [1] is the first deep CNN. \checkmark
- CNNs achieved great success in many problems [1]. \checkmark

At the end of each paragraph, please discuss the difference between your method and existing methods.

Please organize your own “bib” file as the “ref.bib” in this directory.

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3. Method

This section introduces the proposed method/dataset. Please organize your method into several parts.

3.1. Overview

3.2. Part I

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3.3. Part II

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3.4. Part III

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4. Experiments

Introduce the baseline methods we compared.
Datasets What datasets are used for training and testing.
Implementation details Describe the training and testing procedures, e.g., image size, batch size, optimizer, learning rate, number of epochs, and training time.

4.1. Results I

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4.2. Results II

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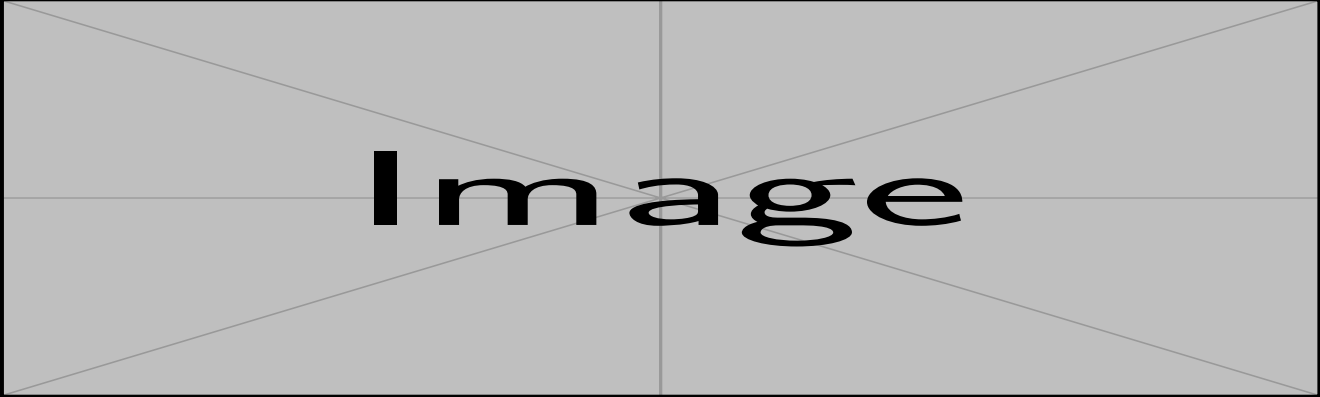


Figure 2. Overview of the method. Usually, we will have a two-column figure to illustrate the overview of your method. The caption should briefly describe how your method works (e.g., what is the input and output, how your method processes the input).

Table 1. Please put the caption text in the main tex file, and put the table code to “table/xxx.tex”. It will be easier for others to modify. A two-column table with two sub-tables. Red text indicates the best and blue text indicates the second best result, respectively.

(a) Results on dataset A.																
Method	2-Exposure							3-Exposure								
	Low-Exposure		High-Exposure		All-Exposure			Low-Exposure		Middle-Exposure		High-Exposure		All-Exposure		
	PSNR	HDR-VDP2	PSNR	HDR-VDP2	PSNR	HDR-VDP2	HDR-VQM	PSNR	HDR-VDP2	PSNR	HDR-VDP2	PSNR	HDR-VDP2	PSNR	HDR-VDP2	HDR-VQM
Method A	40.00	73.70	40.04	70.08	40.02	71.89	76.22	39.61	73.24	39.67	73.24	40.01	67.90	39.77	70.37	79.55
Method B	34.54	80.22	39.25	65.96	36.90	73.09	65.33	36.51	77.78	37.45	69.79	39.02	64.57	37.66	70.71	70.13
Method C	39.79	81.02	39.96	67.25	39.88	74.13	73.84	39.48	78.13	38.43	70.08	39.60	67.94	39.17	72.05	80.70
Ours	41.95	81.03	40.41	71.27	41.18	76.15	78.84	40.00	78.66	39.27	73.10	39.99	69.99	39.75	73.92	82.87

(b) Results on dataset B.																
Method	2-Exposure							3-Exposure								
	Low-Exposure		High-Exposure		All-Exposure			Low-Exposure		Middle-Exposure		High-Exposure		All-Exposure		
	PSNR	HDR-VDP2	PSNR	HDR-VDP2	PSNR	HDR-VDP2	HDR-VQM	PSNR	HDR-VDP2	PSNR	HDR-VDP2	PSNR	HDR-VDP2	PSNR	HDR-VDP2	HDR-VQM
Method A	37.73	74.05	45.71	66.67	41.72	70.36	85.33	37.53	72.03	36.38	65.37	34.73	62.24	36.21	66.55	84.43
Method B	36.41	85.68	49.89	69.90	43.15	77.79	78.92	36.43	77.74	39.80	67.88	43.03	64.74	39.75	70.12	87.93
Method C	39.94	86.77	49.49	69.04	44.72	77.91	87.16	38.34	78.04	41.21	66.07	42.66	64.01	40.74	69.37	89.36
Ours	40.83	86.84	50.10	71.33	45.46	79.09	87.40	38.77	78.11	41.47	68.49	43.24	65.08	41.16	70.56	89.56

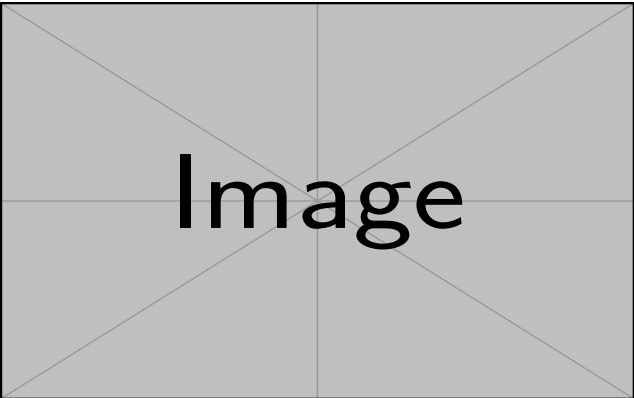


Figure 3. Some details of the proposed method.

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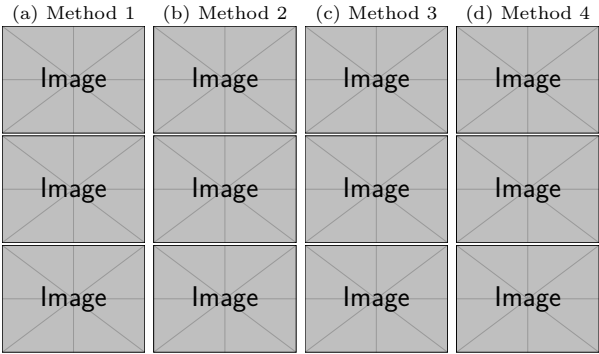


Figure 4. A figure with text header.

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Table 2. Please put the caption text along with the main text, it will be easier for others to modify.

Data	Size	2-Exp	3-Exp	4-Exp	5-Exp	6-Exp	7-Exp
A	1280×720	1	2	3	4	5	4
B	1280×720	1	2	3	4	5	4
Ours	4096×2168	2	3	4	6	5	4

rutrum.

5. Conclusion

The conclusion summarizes what has been proposed and the achieved results. For example: In this paper, we have introduced xxx for the problem of xxx. Our method xxx. Experiments on xxx show that our method outperforms previous methods.

Limitations Last discuss the limitation and future work.

References

[1] Alex Krizhevsky, Ilya Sutskever, and Geoffrey E Hinton. Imagenet classification with deep convolutional neural networks. In Proceedings of the Advances in Neural Information Processing Systems (NeurIPS), 2012. 2