Title of Your Survey Paper

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Abstract

A One, or at most two, paragraph abstract of your paper goes here. Provide clearly what the presents. Keep in mind that based on the abstract, some people would decide to read or not to read the paper! The abstract should not give an insignificant picture of the work, for your readers may not consider it worthy of reading. Also, you should not overdo it, presenting a highly significant Nobel Prize wining view of your work (!), in which case your reader would be disappointed! Simply give a realistic picture of your work.

Keywords: A list of some, say 4, key words of your research goes here...

1 Introduction

In this section you should provide some introductory remarks, setting the stage ready to get to the main point [4]. (Here I refer to some references [2, 6] just to show how to do it [5, 7]; they have nothing to do with the context.) Your introduction should contain the following subsections.

1.1 Terminology

You are going to review a particular area, which may well contain specialized ideas and concepts, requiring specialized terms and vocabularies to describe. Here, at this point, you should introduce these concepts and define the terms you would use throughout the paper. (Do not confuse this section with the list of Keywords.)

1.2 The Problem

The problem addressed in this paper is a critical review and analysis of the current research and the related literature on...... ....

Here you would state the problem starting with a sentence like the above sentence. You are writing a review paper and you should organize it as such. Current work, which

may include certain algorithm, techniques, methods, or whatever you are reviewing, must be reviewed and analyzed with respect to certain criteria. Therefore, you must present a list of your criteria in the form of specific features and requirements that the items under review must satisfy. You should also provide your reasons in selecting your criteria and justify them.

1.3   Basis of Review

List your criteria:

1. *The first criterion for our review is...*

2. *The second criterion is......*

3. *The third...*

4. *.....*

Outline your approach and your plan to do your review with respect to the above criteria.

1.4   The Claim

Here you should make your claim. You may claim that none of the items that is being reviewed in this paper satisfy all your criteria. And, if you really make such a claim, then you would have to prove it by your analysis throughout the paper, and finally you would have a new topic of research to be listed in Section 6.5.

1.5   Objectives

Clearly state the objectives you intend to achieve by this review.

1.6   Motivation and Further Context

Here you should talk about the usefulness of your work. You may describe possible and potential applications that could come out of your work...

1.7   Paper Outline

Describe, in how many sections you have organized your paper and what each section presents. Your paper should have a Section 1 (**Introduction**), which includes several subsections as described above. At the end, you would have a last section, called **Conclusion**, which is described later. The body of your paper, between **Introduction** and **Conclusion**, can consist of a section for each work you review. For example, if you are reviewing four software engineering methodologies, then your paper should be organized in 6 sections.
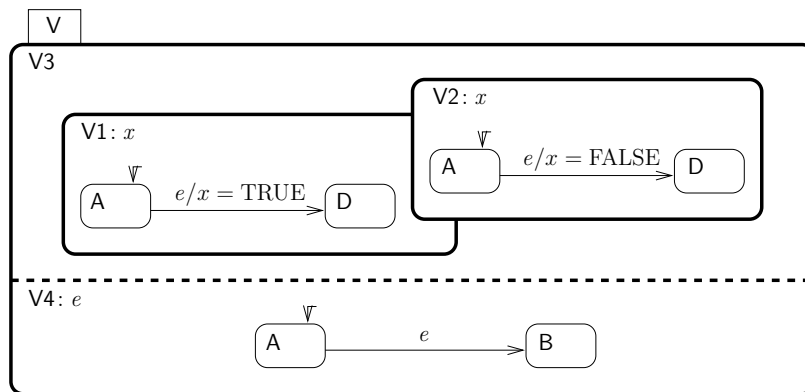
Figure 1: Consistent views in a viewchart.

Figure 2: Cameron Vafa

2 Title of the Second Section

Present a critical review of the first work that you are reviewing. This section could consists of several subsections.

You can use Encapsulated Post Script (EPS) pictures to describe your work, like Figure 1. Reference your work properly Try to provide reference for every work you review [1]. Here I refer to some references [2, 6] just to show how to do it [5, 7].

3 Title of the Third Section

Present a critical review of the first work that you are reviewing. This section could consists of several subsections. Your presentation can include pictures, like Figure 2.

4 Title of the Forth Section

Present a critical review of the first work that you are reviewing [3]. This section could consists of several subsections. Your presentation can include pictures, like Figure 3.
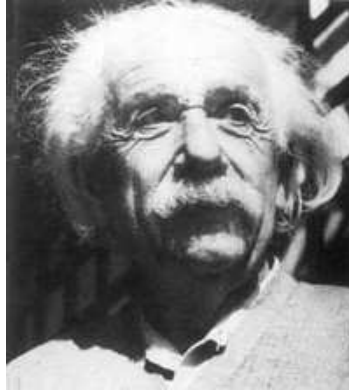

Figure 3: Einstein

5 Title of the Fifth Section

Present a critical review of the first work that you are reviewing. This section could consists of several subsections. Your presentation can include artistically a poem from Khayam, like Figure 4.

اسـرار ازل را نه تـو دانی و نه مـن   وین حرف معما نه تو خوانی و نه من

هست از پس پرده گفتگوی من و تو   چون پرده برافتد نه تو مانی و نه من

خیام

There was a Door to which I found no Key:

There was a Veil past which I could not see:

Some little Talk awhile of ME and THEE

There seemed–and then no more of THEE and ME.

Khayam

Translated by Fitzgerald

Figure 4: A poem from Khayam, the great mathematician, philosopher, and poet of 12th century Iran

6 Conclusion

In this section, you first you provide a concluding paragraph and then present the following subsections...

6.1 Evaluation and Comparison

This section belongs to evaluation and comparison of various work reviewed. You can use a table, summarizing the results of your comparison. For example, you may represent each reviewed item by a row, and each criterion by a column of the table, presenting a graphic display of your comparison. The table would easily show which reviewed item satisfy which criterion and is there any item satisfying all the criterion?

6.2 Demonstration of the Claim

We now return to Section 1.2, where you defined the problem addressed by this paper and Section 1.4, where we claimed that...

Here you try to prove your claim by referring to your analysis and reasoning that you may have had throughout the paper. Formulate any claim that you cannot prove as a Future Topics of Research and list in Section 6.5.

6.3 Achievements

Explain to what extent you have achieved your objectives stated in Section 6.3.

6.4 Contribution of the Paper

Here you describe the contribution of your work...

6.5 Future Topics of Research

A good review of an area should lead to several topics of research... List here the topics that you have come up with, which are normally supposed to be the continuation of your work and most probably you will work on them in your future research [5].

References

[1] Xia Cai, Michael R. Lyu, and Kam F. Wong. Component-based embedded software engineering: Development framework, quality assurance and a generic assessment environment. *International Journal of Software Engineering and Knowledge Engineering*, 12(2):107–133, 2002.

[2] Stephen W. Hawking. *A Brief History of Time*. Bantam Books, New York, 1988.

[3] Ayaz Isazadeh, David. A. Lamb, and Terry Shepard. Behavioural views for software requirements engineering. *Requirements Engineering Journal*, 4(1):19–37, 1999.

[4] Michio Kaku. Beyond the future. In *Hyperspace*, pages 273–300. Doubleday Dell Publishing Group, New York, 1995.

[5] David L. Parnas. Requirements documentation: Why a formal basis is essential. In *Fourth IEEE International Conference On Requirements Engineering (ICRE2000)*, available online at: http://web.cps.msu.edu/sens/temp/ICRE2000 /parnas.pdf, 2000.

[6] Carl Sagan. Four cosmic questions. In *Billions and Billions*, pages 55–63. Ballantine Publishing Group, New York, 1998.

[7] Edward O. Wilson. *Consilience: The Unity of Knowledge.* Random House, New York, 1999.