

JSFI Changelog

1. On the basis of Reviewer C's and Reviewer D's notes the functional evaluation of the new isosurface algorithm was moved from section 3.2 into section 2.2, section 3.2 has been removed. A detailed evaluation of the isosurface extraction within ICON will be done separately in a later publication. A brief description of the isosurface algorithm as well as the resulting requirements for the gridAPI in section 2.2 should stay in this article, since this influences the design of the gridAPI.
2. In section 1 unique features of DSVR are made more prominent to better show similitudes and differences to state of the art visualization frameworks. This includes in-situ visualization frameworks, as well as pathline extraction techniques. The section is completely revised.
3. In headings and title first letters of each word are capitalized by now.
4. Section "Conclusion" is not numbered anymore
5. Section "Acknowledgement" created. Italic removed from acknowledgement text.
6. Figures 6, 8, 9: Full stop at the end of caption removed.
7. Volume visualization removed from abstract, last sentence modified.
8. Introduction now contains overview of the article
9. Figure 2 changed to better show the communication layout of the DSVR Framework
10. Heading of section 3 is changed
11. Figure 8 and 9 now solely contain logarithmic scale diagram, but tabular representation is added.
12. Title changed
13. Footnote added for naming DSVR
14. Statement with top 10 challenges in Extreme-Scale Visual Analytics is moved in a lessened manner to section 1
15. Quotes changed to 66/99 format
16. Grammar checked with MS Word 2013 and <http://www.online-spellcheck.com>
17. Footnote added linking to Crawfis Source Code
18. Title changed on JSFI website
19. Abstract changed on JSFI website
20. In chapter 3, expectation for better weak scaling results has been further argued.
21. Lorensen and Cline paper about marching cubes cited
22. Reference list updated on JSFI website
23. Figure 4 changed to better show the generalized design of the gridAPI
24. Figure 5 changed to address typos
25. Chapter 3 now bring out, that the gridAPI is a generalized approach, and not only for ICON grids.