This chapter is carefully written and organized. The organization is different a lot from the original one. The discussion of bulk load of spatial data is added, since the location data is more desirable than ever before in our daily life. And it's really good to talk about the new trends of indexing in SSD and Cloud, because we can expect that SSD will replace the traditional disk and Cloud can also become a major storage and synthetic method in the upcoming future. The author also provided necessary figures to illustrate the key idea of those technologies.

1. What is the contribution or originality of the paper as a survey?

This chapter proposal provides an introduction of some new trends of spatial indexing: Bulk load of spatial data, indexing in SSD and indexing in the cloud.

2. Is the survey complete? If you believe there are items to be added or eliminated, specify which ones.

The Storage part of this chapter is missing. It is integrated into the discussion of indexing.
The author talks about indexing in two parts: indexing in DBMS and SDBMS. Personally, I think it will be better to concentrate on spatial indexing. Because this book is talking about Spatial database, which is a little different from SDBMS and DBMS. What's more, for this chapter, the reader will expect more discussion on Spatial indexing, because we can get the information about the traditional DBMS in many other ways.

3. Is the paper clearly written and well organized?

This chapter proposal is clearly written. For the organization, I think today it may be reasonable to move out the section “Concurrency control” and “Spatial Join Index” from Trends to Indexing in SDBMS.

4. Are the references complete and correctly cited in the text? Supply missing references and/or indicate more appropriate ones.

It may look better to add the references at the end.

5. If the paper is too long for its category, how can it be shortened?

The introduction in each part can be shortened a little bit, and more figures can always be better than a bulk of words in a book for common audience.