Subject: Proceedings on FTS pattern recognition (Bormio Conference 2013)
Posted by MartinJGaluska on Thu, 11 Apr 2013 10:58:07 GMT
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Dear members of the PANDA collaboration,

I attached a draft for the proceedings of a poster on pattern recognition for the PANDA FTS which I presented at a conference in January 2013 in Bormio, Italy. I have to hand in the paper next Monday, April 15th at 18:00.

I would appreciate if you had any comments or suggestions concerning the draft and if you could send them to me before next Monday 12:00.

I will update this topic regularly with the current version and will try to include as many of your suggestions as possible.

[old version was removed, please download the most recent one from a post below]

Kind regards,
Martin

PS: These are the changes I am planning to do:

Changelist for V2
1. Picture of PANDA detector:
I plan to make the labels bigger and label only the magnets and the FTS
2. All other pictures:
I will reduce the caption text and include it in the main paper
3. I will add Hough space pictures for the line and the parabola.

Subject: Re: Proceedings on FTS pattern recognition (Bormio Conference 2013)
Posted by MartinJGaluska on Thu, 11 Apr 2013 12:22:07 GMT
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Changelog (V4)

Corrected author list
Minor changes to the text
Added citations.
Change list from V2 still applies to V4.

Old version was removed.

Subject: Re: Proceedings on FTS pattern recognition (Bormio Conference 2013)
Posted by MartinJGaluska on Thu, 11 Apr 2013 14:45:21 GMT
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Changes in V5:

Corrected the calculation in the numerical example
Minor text changes
Minor changes in the references
Bigger and fewer labels for the picture of the PANDA detector
Changed background color of all pictures to white

Changelist for V5
1. All pictures:
I will reduce the caption text and include it in the main paper
2. I will add Hough space pictures for the line and the parabola.

[Old version was removed]

Subject: Re: Proceedings on FTS pattern recognition (Bormio Conference 2013)
Posted by Elisa Fioravanti on Thu, 11 Apr 2013 18:44:44 GMT
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Dear Martin,

I took a look to the proceeding, and my first comment is on the paragraph 2: you wrote that the wires are inclined of 10 degrees, but as far as I know the inclination is 5 degrees.

I will take a look also at the rest of the paper, and I will send you my comments if I have.

Elisa

Subject: Re: Proceedings on FTS pattern recognition (Bormio Conference 2013)
Posted by MartinJGaluska on Fri, 12 Apr 2013 11:07:07 GMT
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Changelog V6:

Thank you Elisa, I corrected the angle.
I also made several important corrections based on suggestions from professor Smyrski.
Additionally, I moved the long text in the captions to the main text and made some additional minor text adjustments.
I added a reference for the "time based simulation".

Comments:

Version 6 is fairly complete
I plan to add two pictures of the Hough spaces for line and for parabola.
I might add a short paragraph on the Hough transform for a line.
Everything else should be "final" unless I receive corrections, suggestions or change requests.

[Old version was removed]

Subject: Re: Proceedings on FTS pattern recognition (Bormio Conference 2013)
Posted by MartinJGaluska on Fri, 12 Apr 2013 13:01:51 GMT
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Changelog V7:

Added pictures for the line and the parabola Hough spaces
Added text at the end of section 5 to explain the two new plots
Changed bibliographystyle

Comments:
Now the draft should be complete except for an explanation for the line Hough transform which I might still add.

File Attachments

1) PANDA-FTS-PR-V7.pdf, downloaded 762 times

Subject: Re: Proceedings on FTS pattern recognition (Bormio Conference 2013)
Posted by MartinJGaluska on Mon, 15 Apr 2013 15:17:12 GMT
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After changing the text in several places to make it more easy to understand, adding a few more references and labeling the angle theta in figure 2 I have just submitted the version which is attached to this post.

I would like to thank everybody again who helped me with suggestions and corrections.

File Attachments

1) PANDA-FTS-PR-V8.pdf, downloaded 702 times