

JACoW Team Meeting, 21-23 March 2007
Elettra - Trieste

OpenOffice.org

PDF experiments

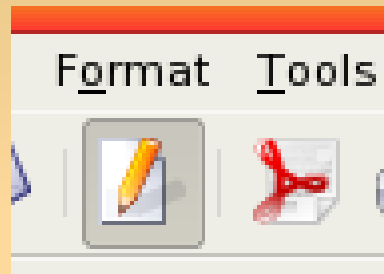
Ivan Andrian

Sincrotrone Trieste Scpa

<ivan.andrian@elettra.trieste.it>

OOo PDF capabilities

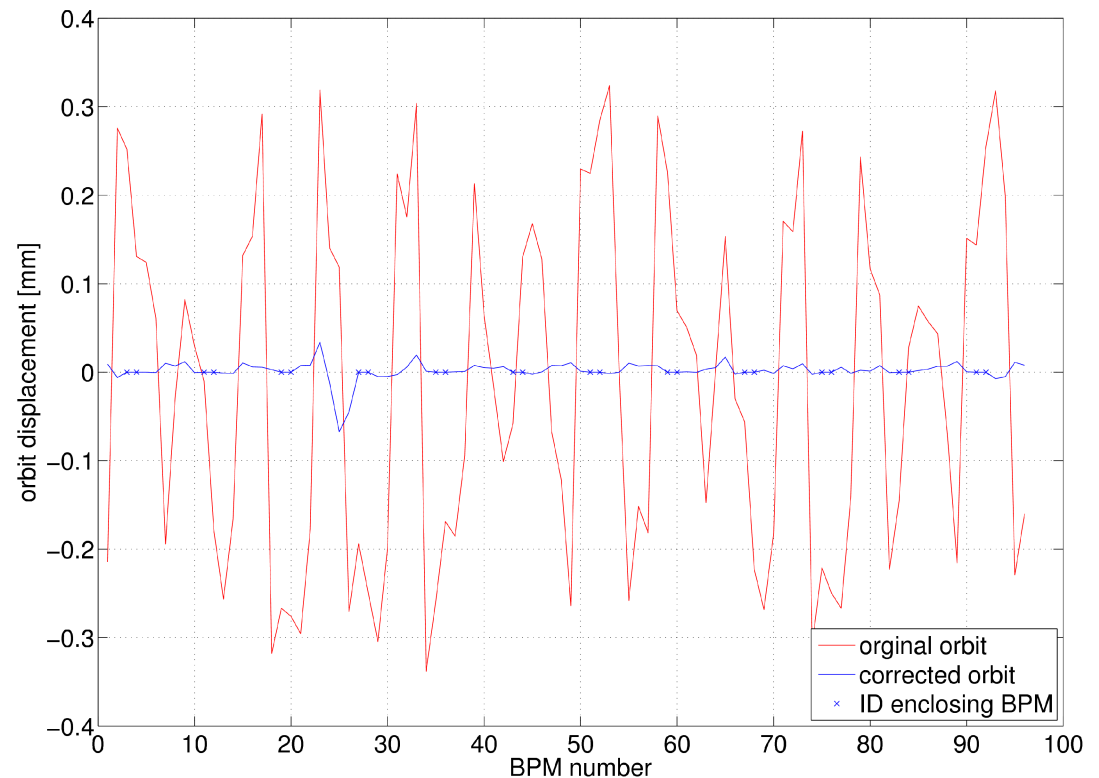
- OpenOffice.org has got brilliant PDF creation for **any** platform



- Why not try accepting PDF directly?
 - could ease the authors a lot...
 - could create JACoW-size papers right from the beginning...

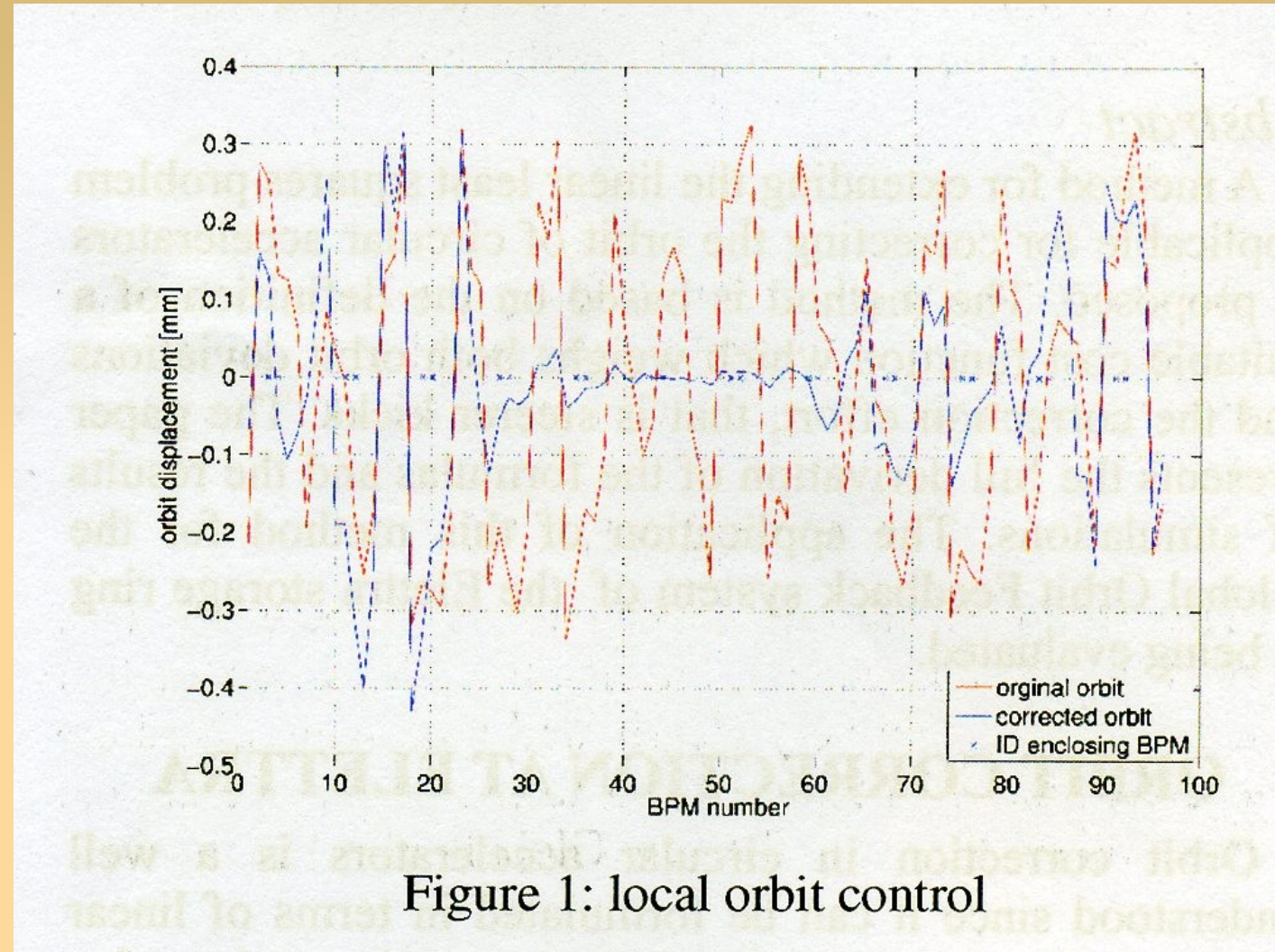
Starting document

- EPAC06 *WEPCH020*
 - High-quality bitmap images in the document
 - .odt looks bad
 - JACoW result is perfect



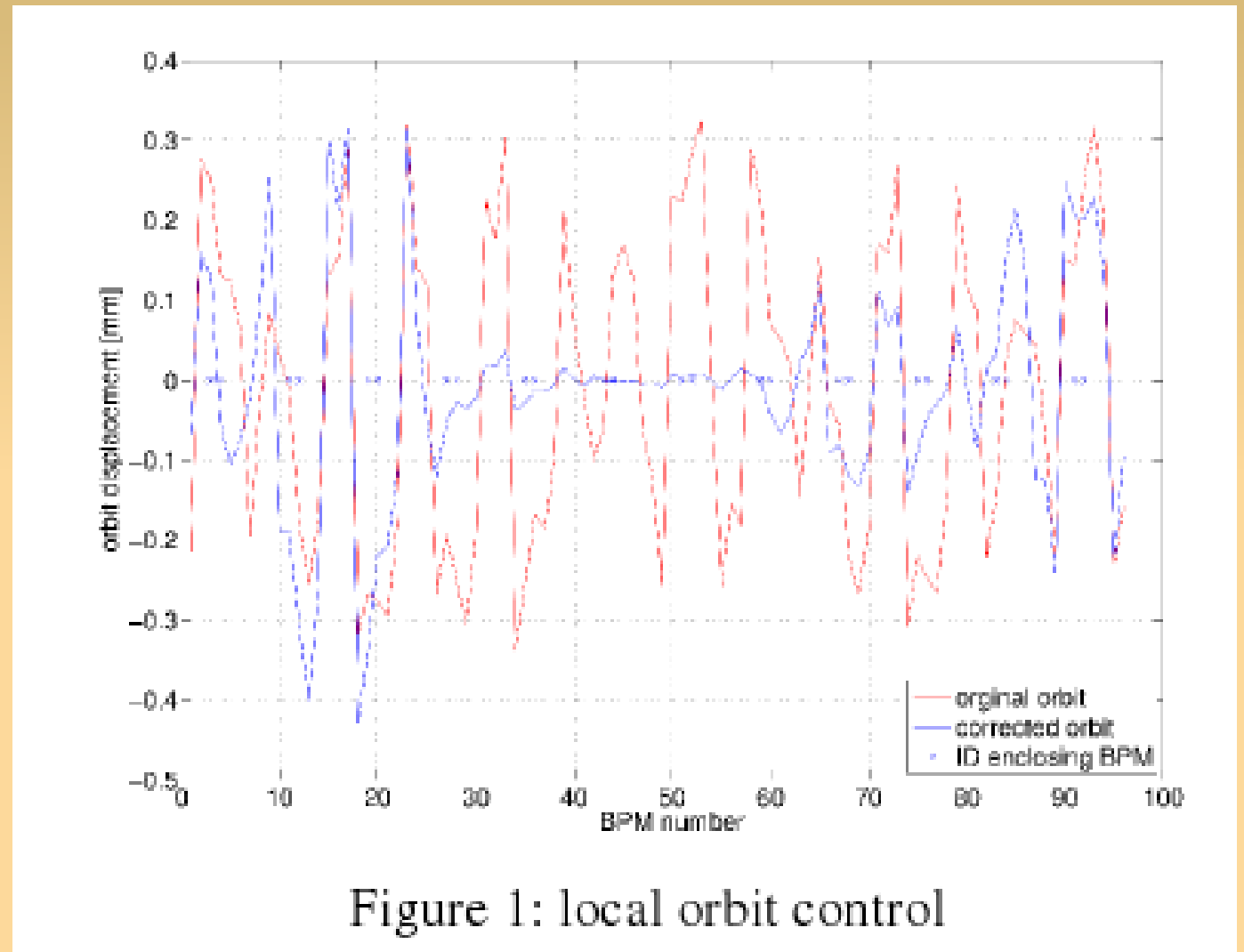
.odt » PDF (cropped)

- Default settings



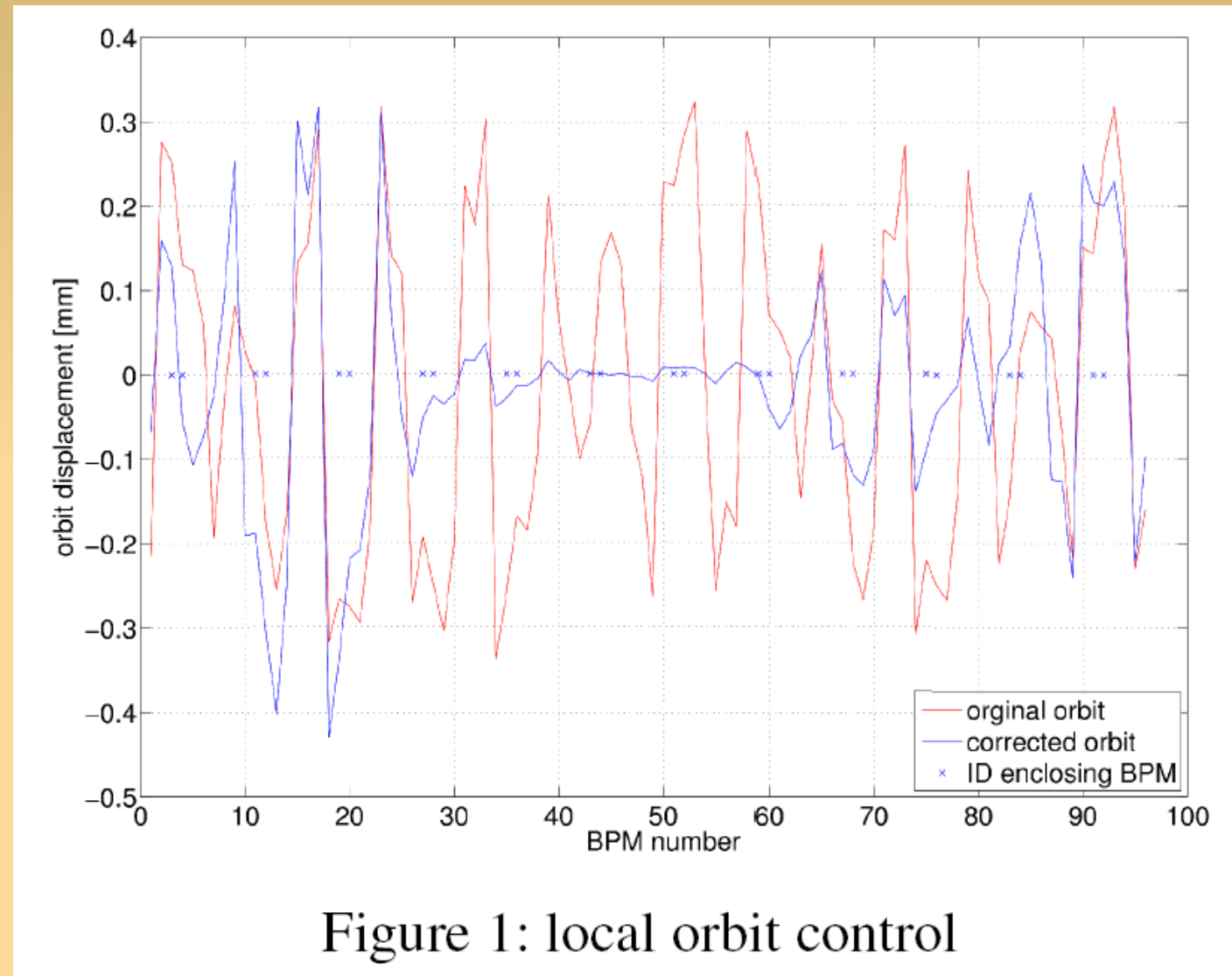
- 1MB PDF!
- Good figures on screen
- BAD figures on paper (OOo downsampling)!

.odt » PDF (cropped - 300/400dpi)



- 300KB
- BAD figures on screen

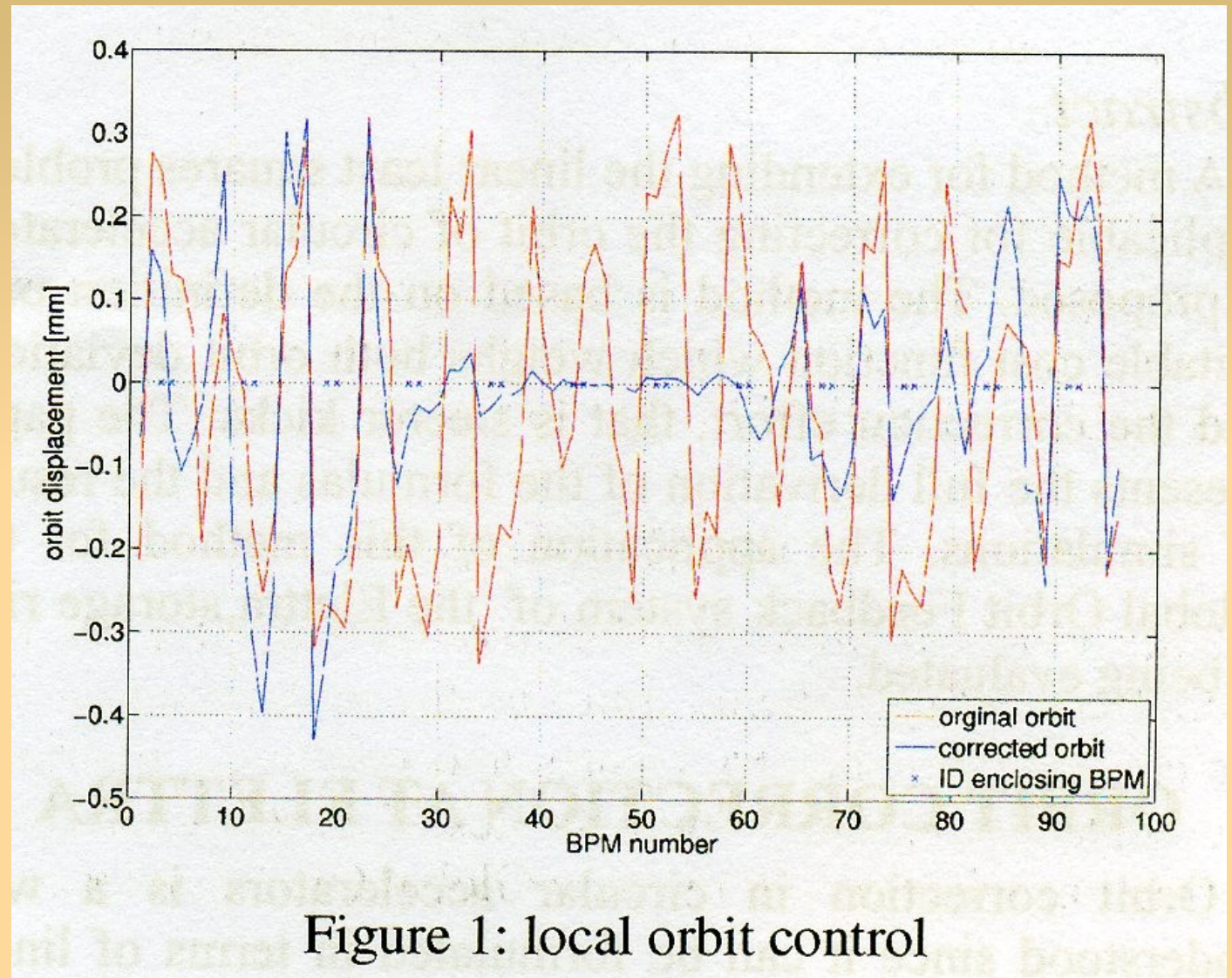
.odt » PDF (cropped - 600dpi)



– 500KB

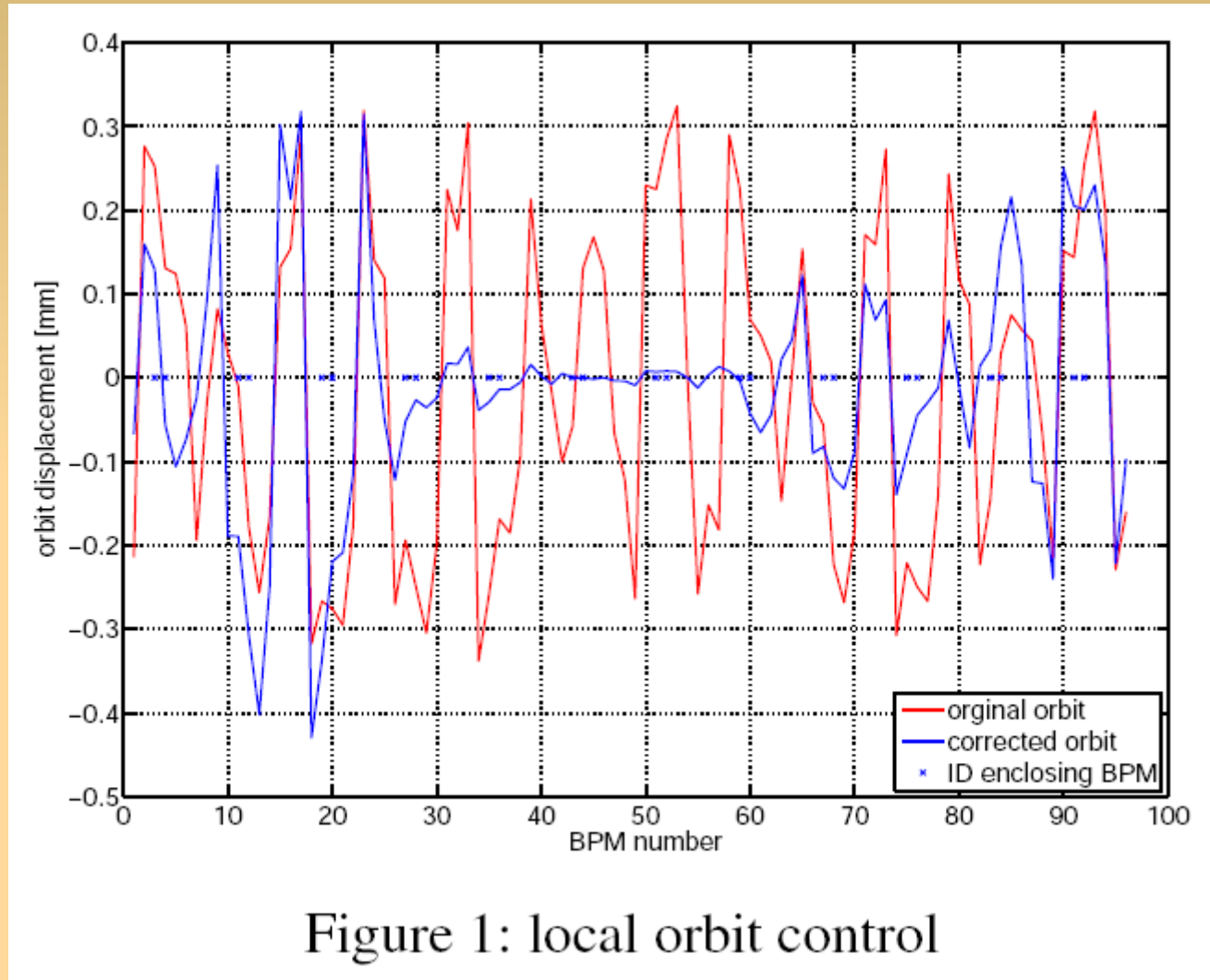
– OK on screen, but....

.odt » PDF (cropped - 600dpi)



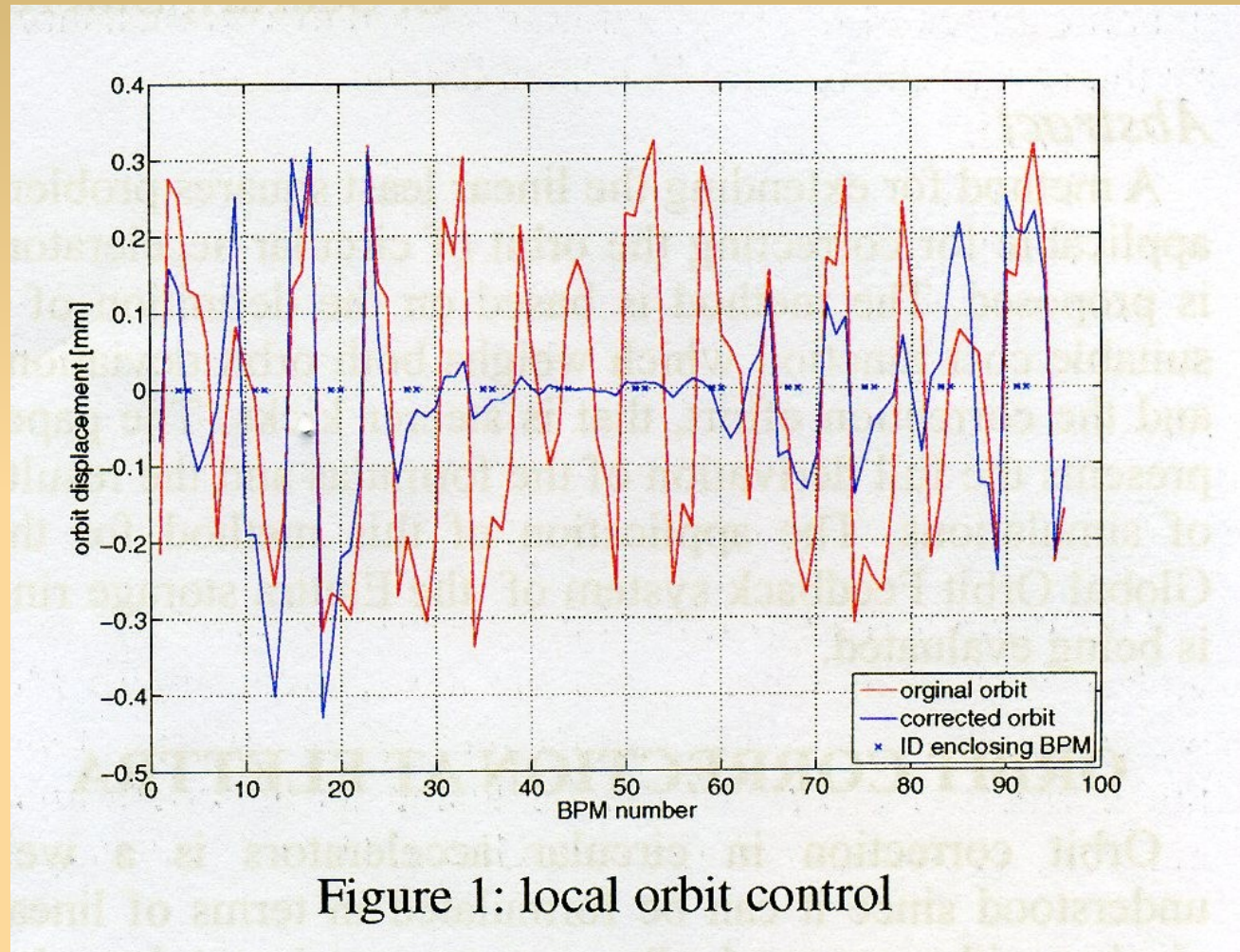
– ... BAD printing!

.odt » PS » PDF (the JACoW way)



- 200KB
- Perfect both on screen and...

.odt » PS » PDF (the JACoW way)



- ... on paper!
- but we loose the 'cropping' from the source!

but, wait a minute!

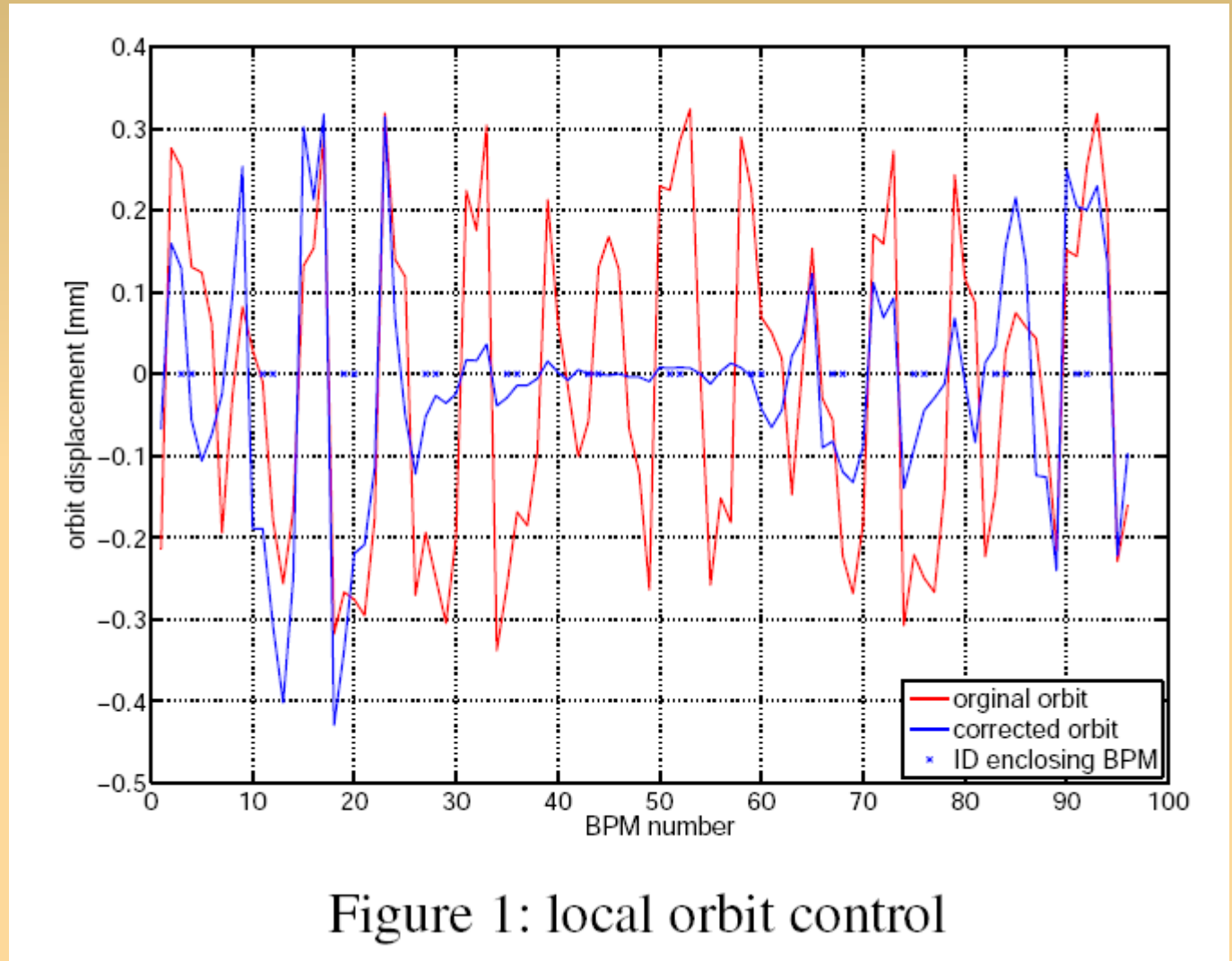
- There's another tool, **extendedPDF**

<http://www.3bview.com/epdf-home.html>

with:

- Hyperlinks
 - Bookmarks
 - ... and more
- And it's free!

.odt » PDF (extendedPDF)



- 120KB!
- GREAT on screen

.odt » PDF (extendedPDF)

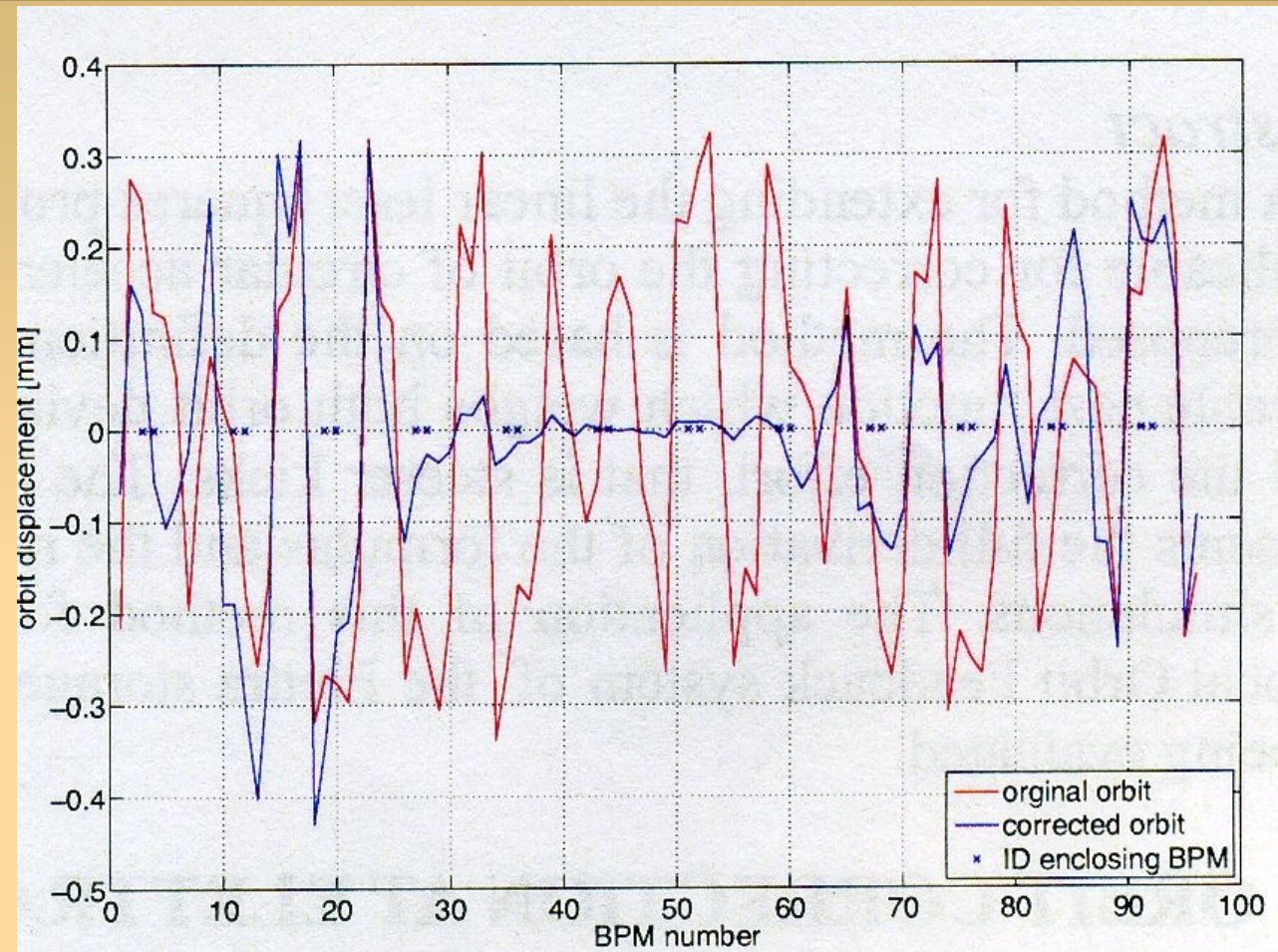


Figure 1: local orbit control

– GREAT on print also!

BUT...

- Page size is still A4 / US letter
 - we are loosing the 'autocrop' feature
- The authors need an additional tool
 - to download
 - to install
 - to use
- And the result is similar to the JACoW one

Conclusions...

- It's not worth it
- OOo is here to stay...
- ... as the JACoW way to process it!