

MyBox: Easy Tools Set **User Guide – PDF Tools**

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Contents

1 Resource Addresses.....	3
2 Documents.....	3
3 Menu of PDF Tools.....	4
4 View PDF – Image Mode.....	5
5 Extract Images in PDF.....	8
5.1 Source PDF File.....	8
5.2 View PDF Attributes.....	8
5.3 Target Files.....	9
5.4 Preview.....	10
5.5 Control Process.....	11
6 Extract Images in PDF - Batch.....	12
7 Extract Texts in PDF.....	13
7.1 Sourec PDF File.....	13
7.2 Target File.....	13
7.3 Preview.....	13
8 Extract Texts in PDF – Batch.....	14
9 Convert PDF Pages as Images.....	15
9.1 Source PDF File.....	15
9.2 Target File.....	16
9.3 Preview.....	17
10 Convert PDF Pages as Images – Batch.....	18
11 Combine Images as PDF.....	19
11.1 Source Images.....	19
11.2 PDF Page Size.....	20
11.3 Image Format.....	20
11.4 Margins, Author, and Page Header.....	21
12 Compress Images in PDF.....	22
13 Merge PDF Files.....	23
14 Split PDF File.....	24

1 Resource Addresses

This is GUI(Graphic User Interface) program developed in JavaFx, whose target is to provide simple and easy tools . It is free and open sources, and its main page is following:

<https://github.com/Mararsh/MyBox>

Source codes, compilered packages, and documents are under Releases directory:

<https://github.com/Mararsh/MyBox/releases>

Welcome to submit software requirements and problem reports online:

<https://github.com/Mararsh/MyBox/issues>

Cloud storage:

https://pan.baidu.com/s/1fWMRzym_jh075OCX0D8y8A#list/path=%2F

2 Documents

This document introduces PDF Tools of MyBox. It can be download from following address:

<https://github.com/Mararsh/MyBox/releases/download/v5.0/MyBox-UserGuide-5.0-PdfTools-en.pdf>

Other documents include:

“MyBox User Guide – Overview”

<https://github.com/Mararsh/MyBox/releases/download/v5.0/MyBox-UserGuide-5.0-Overview-en.pdf>

“MyBox User Guide – Image Tools”

<https://github.com/Mararsh/MyBox/releases/download/v5.0/MyBox-UserGuide-5.0-ImageTools-en.pdf>

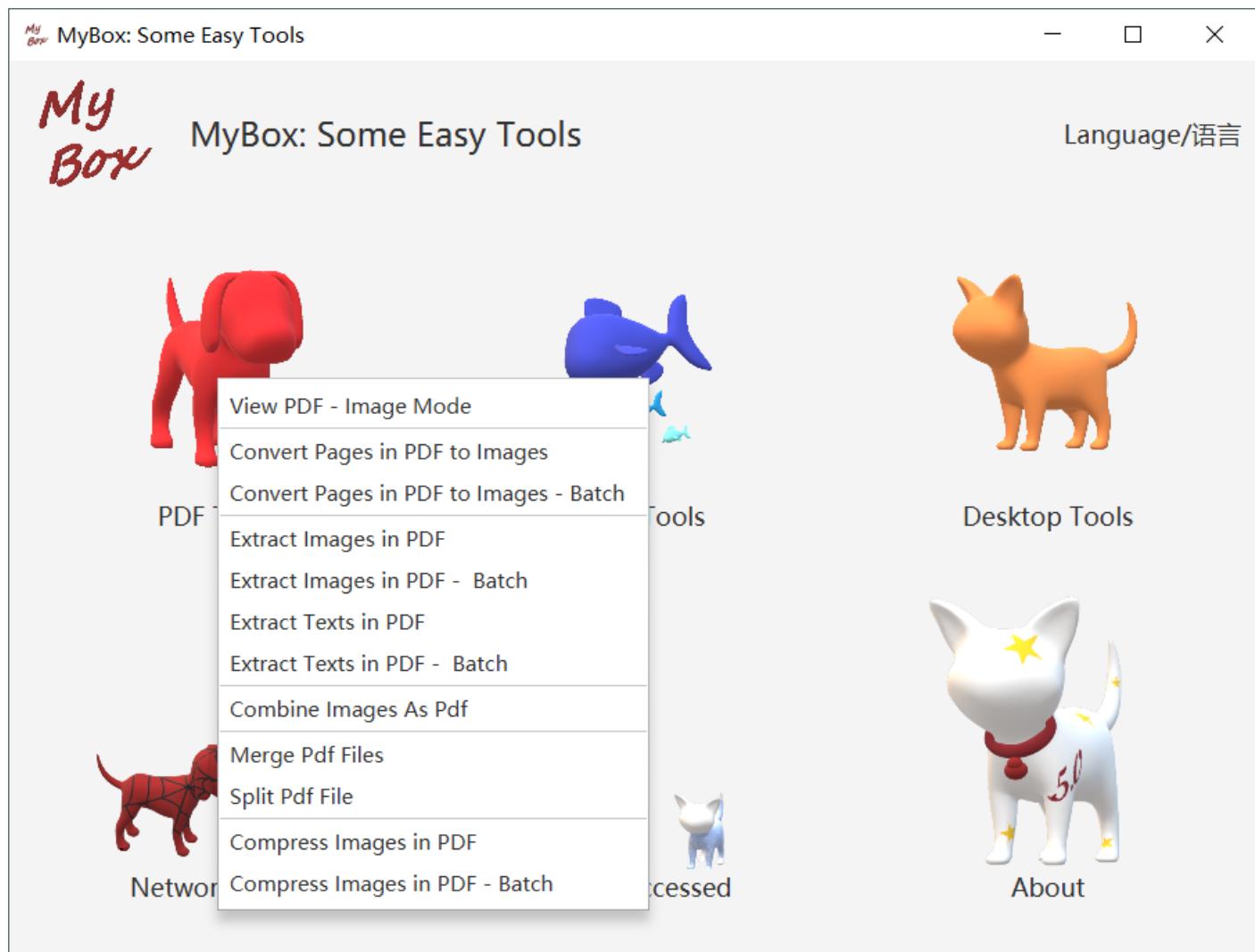
“MyBox User Guide – Desktop Tools”

<https://github.com/Mararsh/MyBox/releases/download/v5.0/MyBox-UserGuide-5.0-DesktopTools-en.pdf>

“MyBox User Guide – Network Tools”

<https://github.com/Mararsh/MyBox/releases/download/v5.0/MyBox-UserGuide-5.0-NetworkTools-en.pdf>

3 Menu of PDF Tools



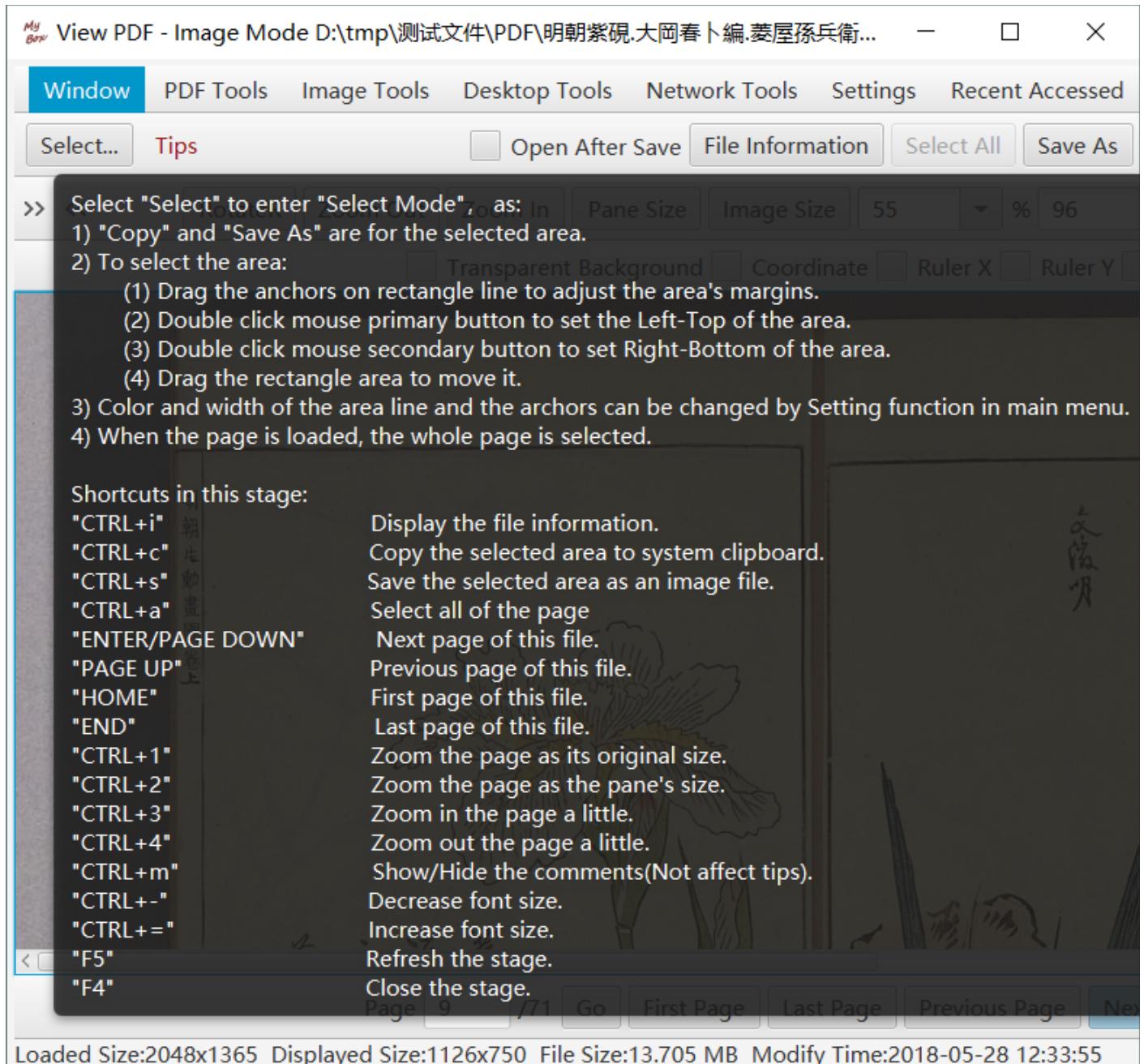
4 View PDF – Image Mode

1. Every page of PDF file is converted and displayed as an image.
2. Rectangle area can be selected on the page to crop as image by dragging anchors or double left clicking for left-top corner and double right clicking for right-bottom corner.
3. The whole page's image or its selected area can be copied on system clipboard(CTRL+c).
4. The whole page's image or its selected area can be saved as an image file(CTRL+s).
5. Select whether the background of page's image is transparent. This option only works for texts in PDF.
6. Page's image can be zoomed for display(Not scale the image itself).
7. Page's image can be rotated. Rotation can be saved.
8. Density of page's image(dpi) can be changed. Larger density means clearer image/text and bigger image file.
9. Select Whether show coordinate and rulers.

Shortcuts in this interface are:

"CTRL+i"	Display the file information.
"CTRL+c"	Copy the selected area to system clipboard.
"CTRL+s"	Save the selected area as an image file.
"CTRL+a"	Select all of the page
"ENTER/PAGE DOWN"	Next page of this file.
"PAGE UP"	Previous page of this file.
"HOME"	First page of this file.
"END"	Last page of this file.
"CTRL+1"	Zoom the page as its original size.
"CTRL+2"	Zoom the page as the pane's size.
"CTRL+3"	Zoom in the page a little.
"CTRL+4"	Zoom out the page a little.
"CTRL+m"	Show/Hide the comments(Not affect tips).
"CTRL+-"	Decrease font size.
"CTRL+="	Increase font size.
"F5"	Refresh the stage.
"F4"	Close the stage.

Move mouse upon the red label “Tips”, and the information window will be popped:



View PDF - Image Mode D:\tmp\测试文件\PDF\明朝紫硯.大岡春卜編.菱屋孫兵衛.1813.pdf

Window PDF Tools Image Tools Desktop Tools Network Tools Settings Recent Accessed Help

Select... Tips Open After Save File Information Select All Save As Copy

Turn RotateL RotateR Zoom Out Zoom In Pane Size Image Size 37 % 96 dpi

1031,603 Transparent Background Coordinate Ruler X Ruler Y Select

Page 10 /71 Go First Page Last Page Previous Page Next Page

Loaded Size:2048x1365 Displayed Size:757x505 Selected Size: 684x773 File Size:13.705 MB Modify Time:2018-05-28 12:33:55

View PDF - Image Mode D:\玛瑞\Mybox\文档\MyBox-UserGuide-5.0-Overview-en.pdf

Window PDF Tools Image Tools Desktop Tools Network Tools Settings Recent Accessed Help

Select... Tips Open After Save File Information Select All Save As Copy

Turn RotateL RotateR Zoom Out Zoom In Pane Size Image Size 100 % 96 dpi

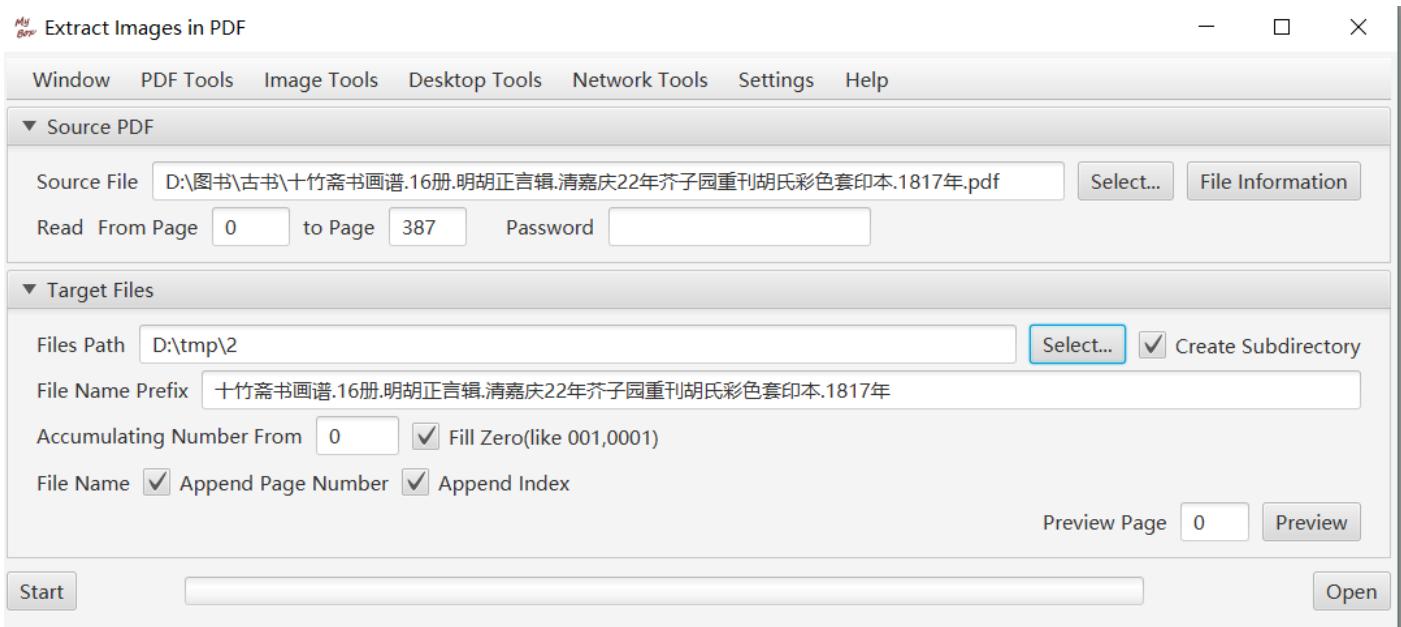
380,105 Transparent Background Coordinate Ruler X Ruler Y Select

Contents	380,105
1 Resource Addresses.....	.4
2 Documents.....	.5
3 Installation and Execution.....	.5
3.1 Under Java Environment.....	.5

5 Extract Images in PDF

5.1 Source PDF File

Page range can be set. Password should be provided if any.



5.2 View PDF Attributes



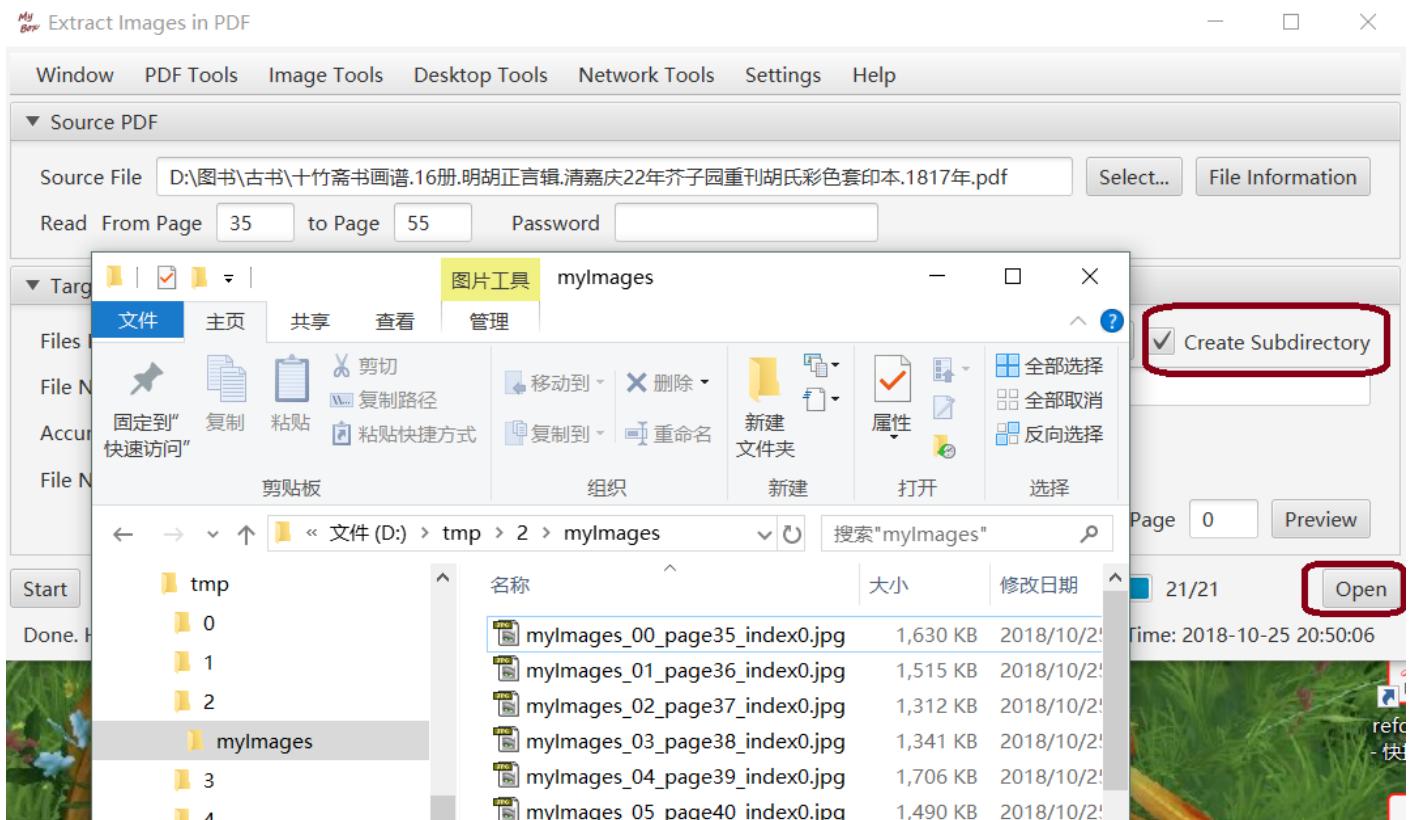
5.3 Target Files

If “Create Sub-directory” is selected, a sub-directory will be created under the target path with the PDF file name and the extracted images will be put under this directory. If this option is not selected, the extracted images are put the target path directly.

The file names of the extracted images are: Prefix + accumulating number + extension name. The start number of accumulating can be set. Notice: There may be multiple images in one PDF page, so the image number may not be equal to page number.

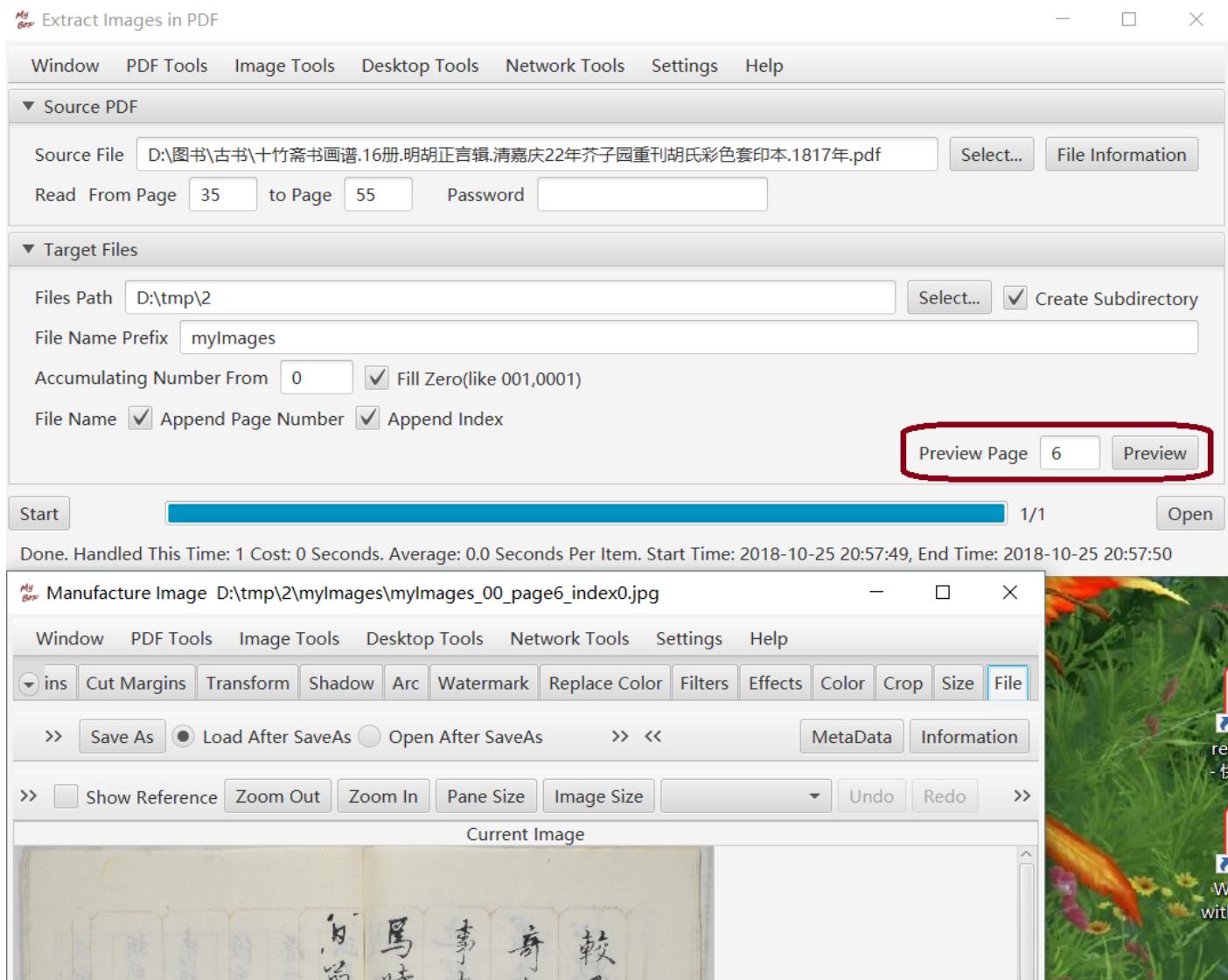
Page number and image index can be selected as appendix of the file name.

Click button “Open” to check the files generated under the target path.



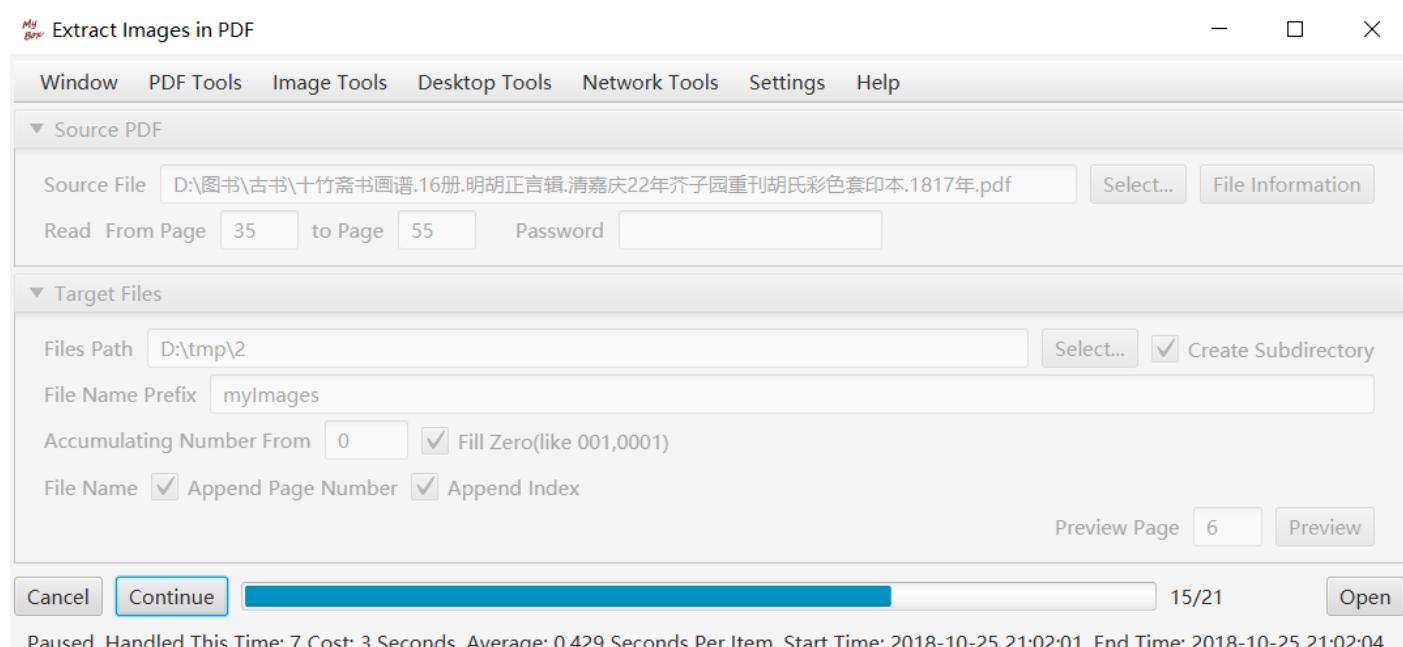
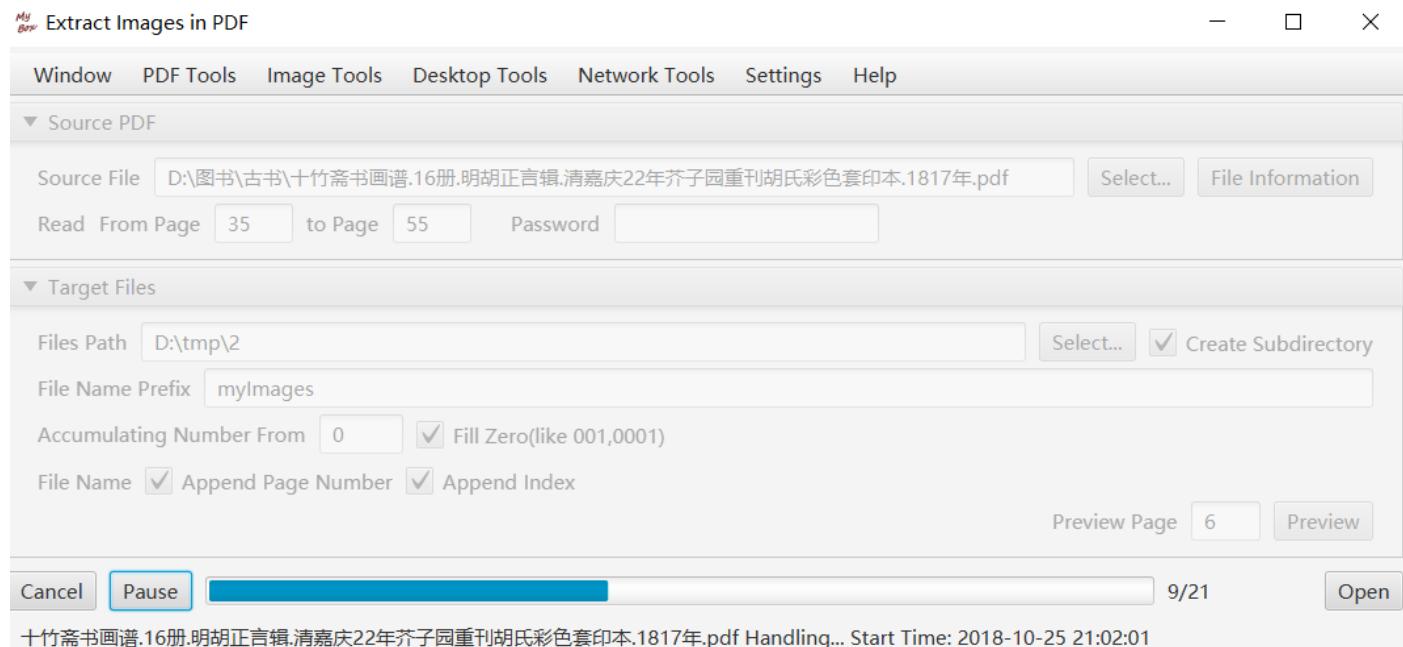
5.4 Preview

Input “Preview Page” and click button “Preview”, and program will extract the first image in this page and display it. If there is not image in the preview page, “No Data” will be popped and user need input other preview page.



5.5 Control Process

Click button “Start” in the bottom and the extracting process will start. User can click button “Pause”, “Continue”, or “Cancel” to control the process.



6 Extract Images in PDF - Batch

Extract images in multiple PDF files.

The screenshot shows the 'Extract Images in PDF - Batch' application window. At the top, there's a menu bar with 'Window', 'PDF Tools', 'Image Tools', 'Desktop Tools', 'Network Tools', 'Settings', and 'Help'. Below the menu is a toolbar with buttons for 'Add', 'Move Up', 'Move Down', 'Delete', and 'Clear'. A table titled 'Source PDF' lists three files with columns for 'Handled', 'File Name', 'Size', 'Modify Time', and 'Create Time'. The files are:

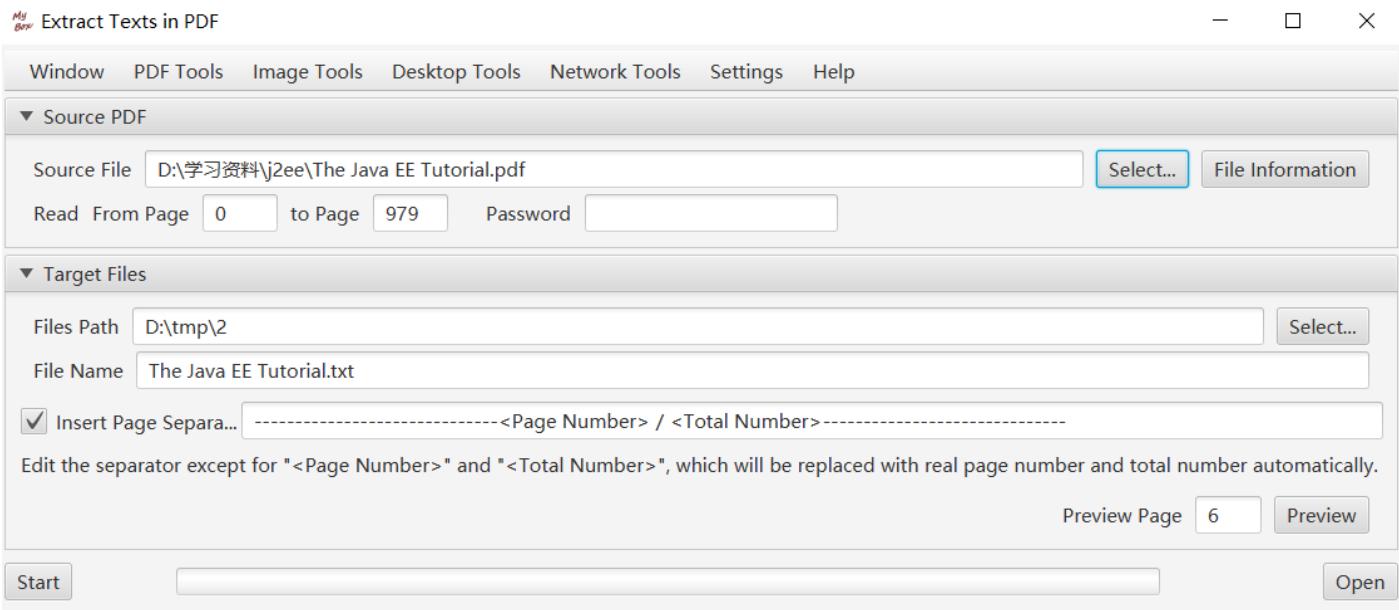
Handled	File Name	Size	Modify Time	Create Time
Yes	D:\图书\古书\镇新编全相霞笺记.二卷.三十出.广庆堂藏板.明万历时期唐振吾刻本.pdf	161.744 MB	2018-05-28 12:41:09	2018-05-28 12:39
Yes	D:\图书\古书\天下有山堂画艺.清汪之元编绘.四明樵石山房藏板.清雍正2年序刊本.pdf	31.457 MB	2018-05-28 12:39:31	2018-05-28 12:38
Yes	D:\图书\古书\明朝紫砚.大岡春卜编.姜屋孫兵衛.1813.pdf	13.705 MB	2018-05-28 12:33:55	2018-05-28 12:30

Below the source list is a section titled 'Target Files' with a 'Files Path' field containing 'D:\tmp\2'. There are checkboxes for 'File Name', 'Fill Zero (like 001,0001)', 'Append Page Number', and 'Append Index'. A 'Preview' button is also present. At the bottom, there are 'Cancel' and 'Continue' buttons, a progress bar showing '2 / 3', and status text indicating the process is paused with a total of 11/71 items handled.

7 Extract Texts in PDF

7.1 Source PDF File

Page range can be set. Password should be provided if any.



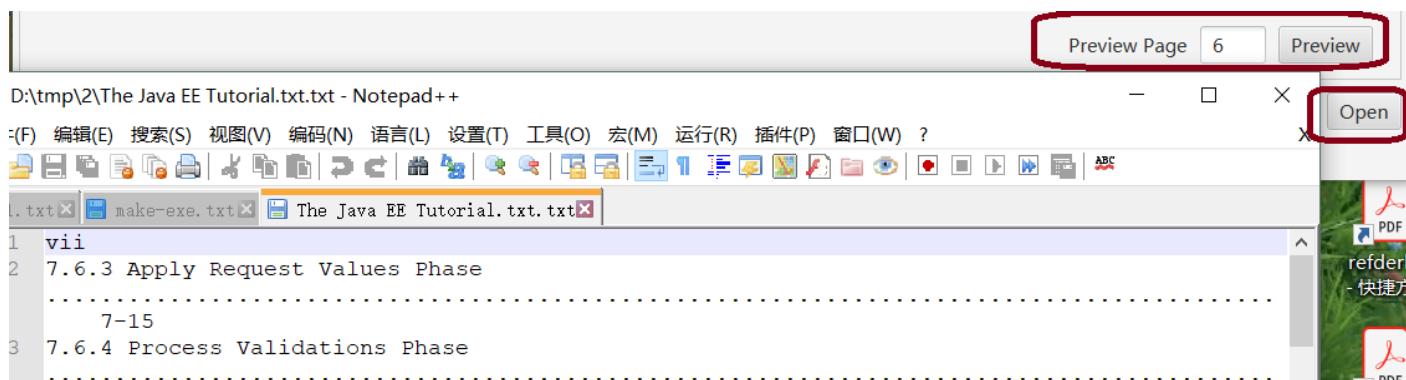
7.2 Target File

Select whether insert the Page Separator and customize the line text.

Click button “Open” in the bottom, the extracted text file will be opened.

7.3 Preview

Input “Preview Page” and click button “Preview”, and the texts in this page will be extracted and displayed.



8 Extract Texts in PDF – Batch

Extract texts in multiple PDF files.

The screenshot shows the 'Extract Texts in PDF - Batch' window. At the top, there's a menu bar with 'Window', 'PDF Tools', 'Image Tools', 'Desktop Tools', 'Network Tools', 'Settings', and 'Help'. Below the menu is a toolbar with buttons for 'Add', 'Move Up', 'Move Down', 'Delete', and 'Clear'. A table lists the 'Source PDF' files:

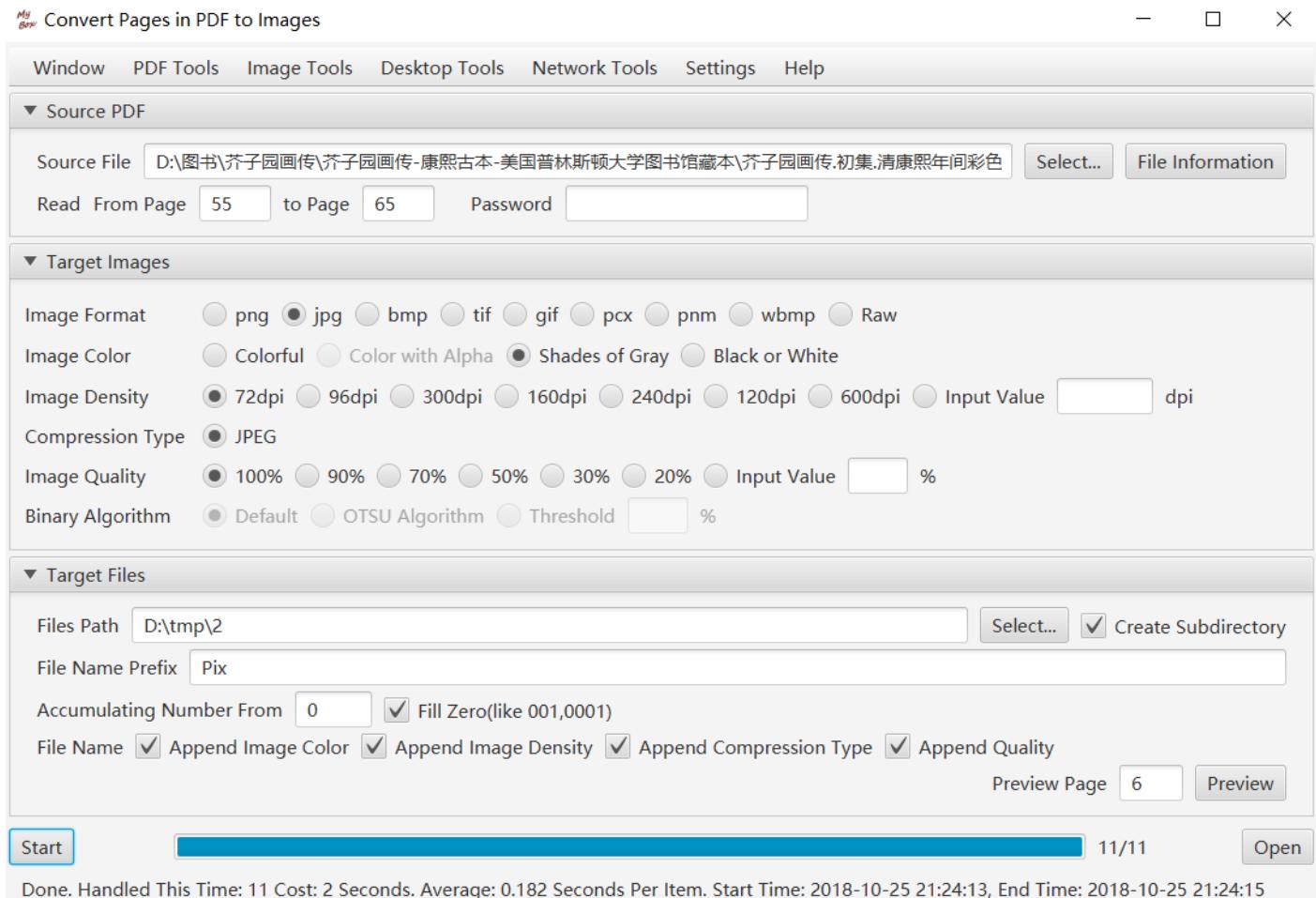
Handled	File Name	Size	Modify Time	Create
Yes	D:\学习资料\j2ee\WebProfile.pdf	245.438 KB	2015-05-14 20:34:40	2018-04-20
Yes	D:\学习资料\j2ee\Your First Cup An Introduction to the Java EE Platform.pdf	290.635 KB	2015-04-09 20:37:38	2018-04-20

Below the source files, there's a section for 'Target Files' with a 'Files Path' set to 'D:\tmp\2'. There's a checked checkbox for 'Insert Page Separator' followed by a placeholder text '-----<Page Number> / <Total Number>-----'. A note below says 'Edit the separator except for "<Page Number>" and "<Total Number>", which will be replaced with real page number and total number automatically.' At the bottom, there are buttons for 'Start', 'Preview', 'Open', and status information: '2 / 2', '32/32', and 'Done. Handled This Time: 52 Cost: 0 Seconds. Average: 0.0 Seconds Per Item. Start Time: 2018-10-25 21:18:05, End Time: 2018-10-25 21:18:06'.

9 Convert PDF Pages as Images

9.1 Source PDF File

Page range can be set. Password should be provided if any.



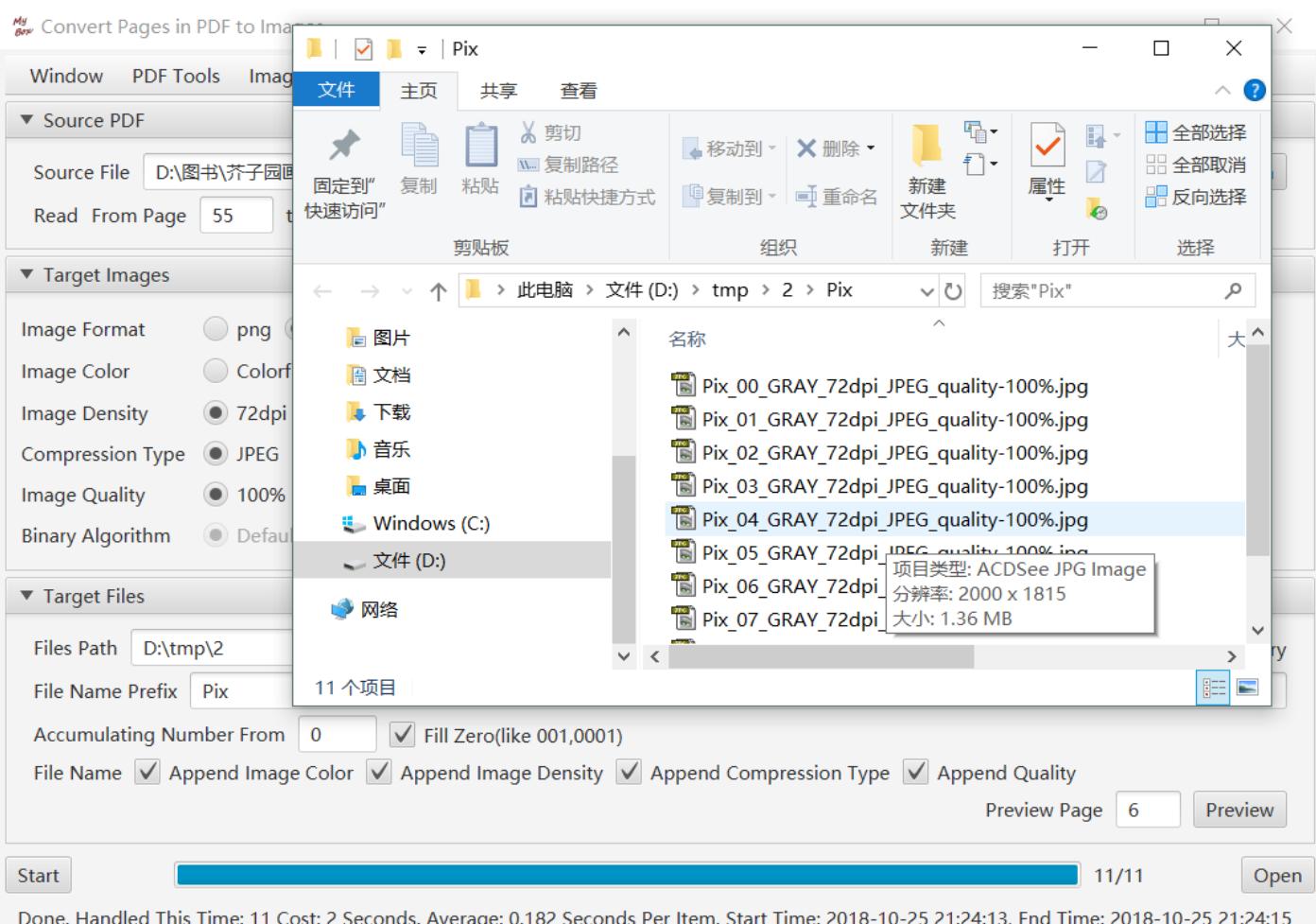
9.2 Target File

If “Create Sub-directory” is selected, a sub-directory will be created under the target path with the PDF file name and the converted images will be put under this directory. If this option is not selected, the converted images are put the target path directly.

The file names of the converted images are: Prefix + accumulating number + extension name. The start number of accumulating can be set.

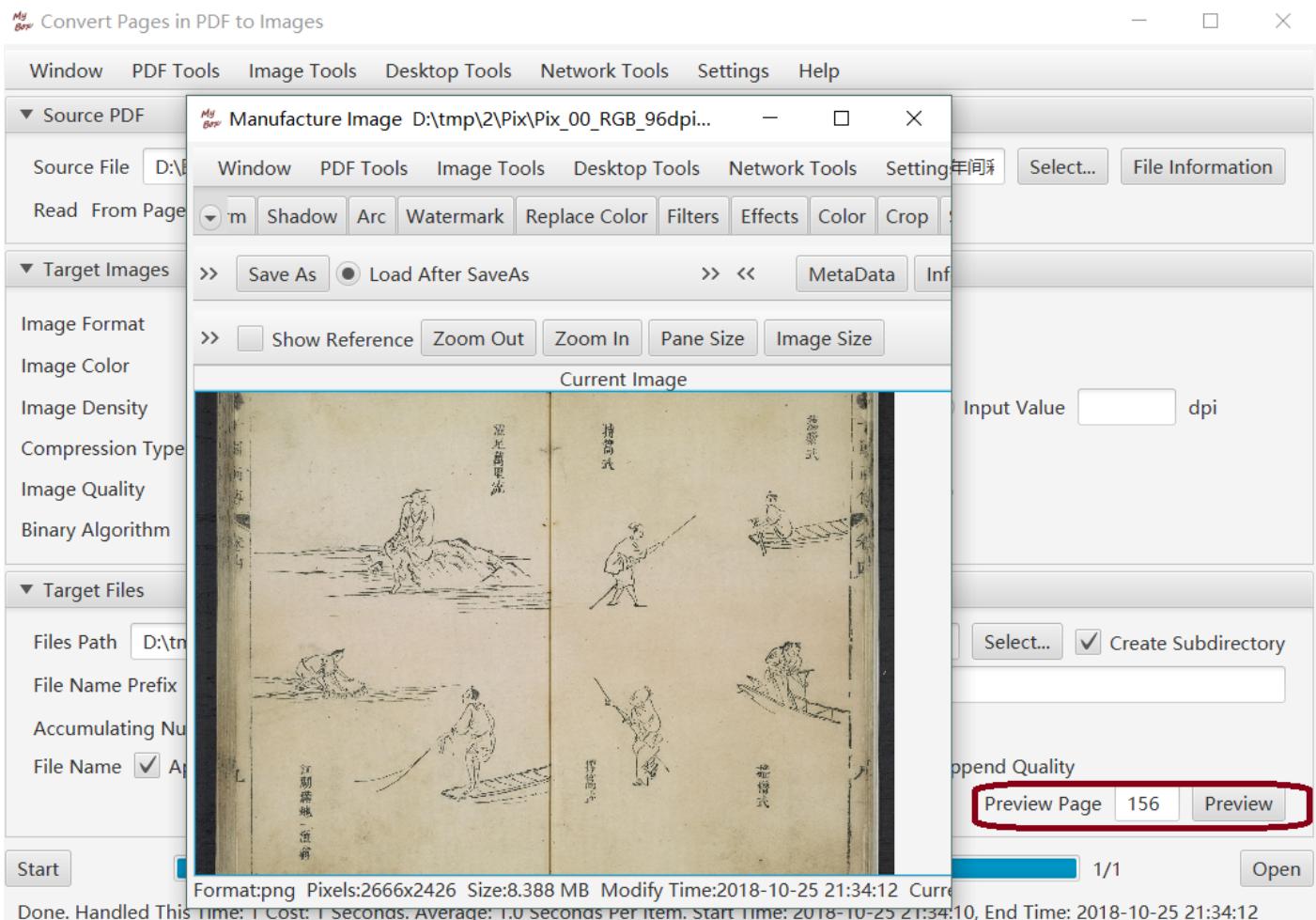
Color, density, compression type, and quality can be selected as appendix of the file name.

Click button “Open” to check the files generated under the target path.



9.3 Preview

Input “Preview Page” and click button “Preview”, and the page will be converted to image and displayed.



10 Convert PDF Pages as Images – Batch

Convert pages in multiple PDF files as images.

Convert Pages in PDF to Images - Batch

Window PDF Tools Image Tools Desktop Tools Network Tools Settings Help

Source PDF

Handled	File Name	Size	Modify Time	Create Time	Type
Yes	D:\学习资料\j2ee\WebProfile.pdf	245.438 KB	2015-05-14 20:34:40	2018-04-20 16:52:48	pdf
Yes	D:\学习资料\j2ee\Your First Cup An Introduction to the Ja...	290.635 KB	2015-04-09 20:37:38	2018-04-20 16:52:48	pdf

Target Images

Image Format: png jpg bmp tif gif pcx ppm wbmp Raw

Image Color: Colorful Color with Alpha Shades of Gray Black or White

Image Density: 72dpi 96dpi 300dpi 160dpi 240dpi 120dpi 600dpi Input Value dpi

Compression Type: JPEG

Image Quality: 100% 90% 70% 50% 30% 20% Input Value %

Binary Algorithm: Default OTSU Algorithm Threshold %

Target Files

Files Path: D:\tmp\2 Create Subdirectory

File Name: Fill Zero (like 001,0001) Append Image Color Append Image Density Append Compression Type Append Quality

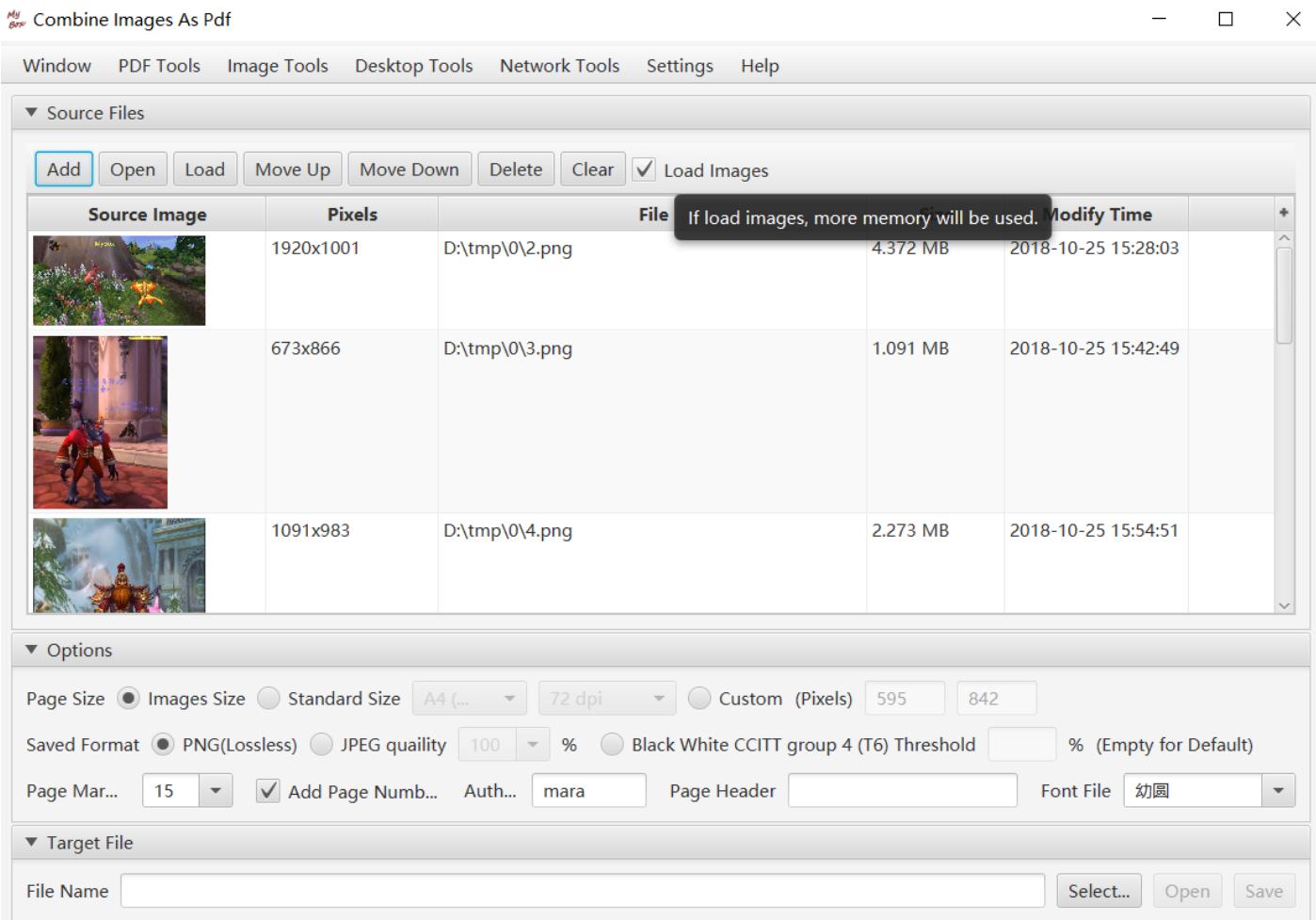
Start 32/32

Done. Handled This Time: 52 Cost: 2 Seconds. Average: 0.038 Seconds Per Item. Start Time: 2018-10-25 21:37:28, End Time: 2018-10-25 21:37:30

11 Combine Images as PDF

11.1 Source Images

- 1) Add, delete, clear, order the source images.
- 2) Open, load, move up, move down the selected images.
- 3) Select whether load the image when add it. Loading image occupies memory.

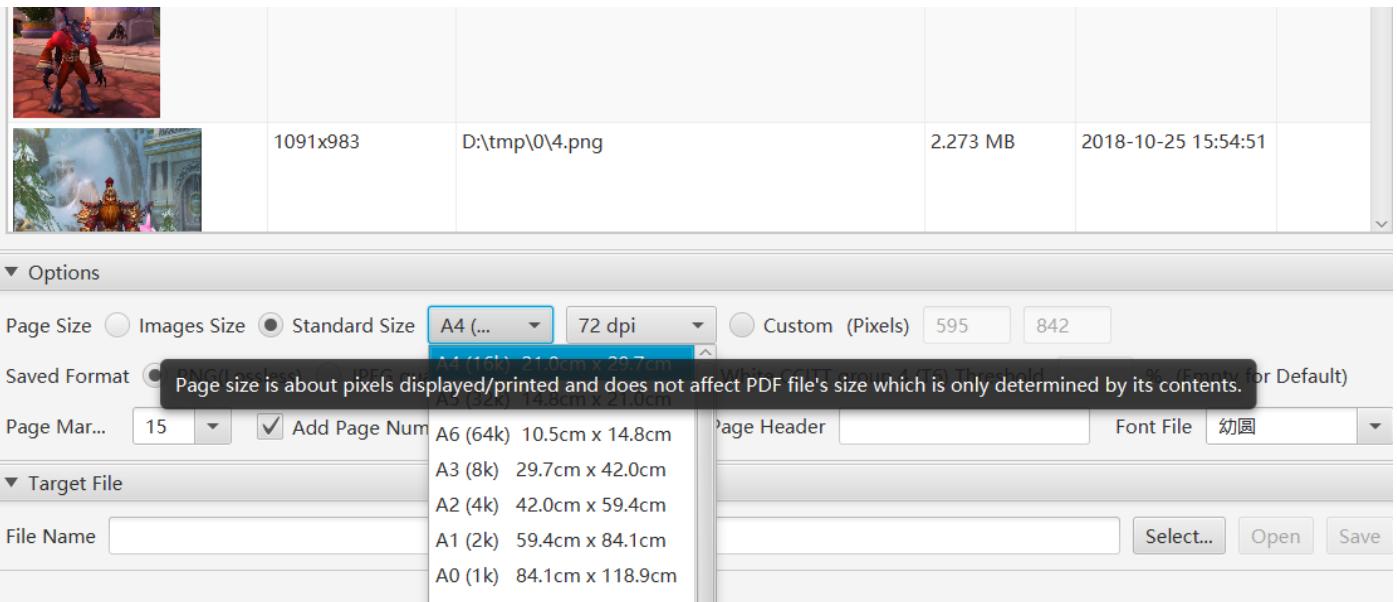


11.2 PDF Page Size

The page size of PDF file can be set as:

- 1) Image size. Thus each page's size may be different.
- 2) Standard size. Page size and density need be selected to determine the pixels values.
- 3) Customized size. Pixels values of width and height need be inputted.

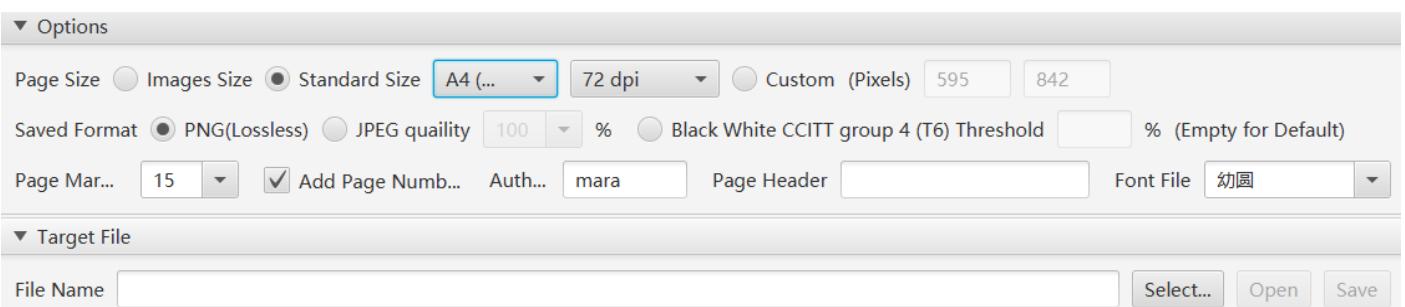
Notice: PDF page size is used to display or print and does not affect the file size which is only related to the PDF's contents.



11.3 Image Format

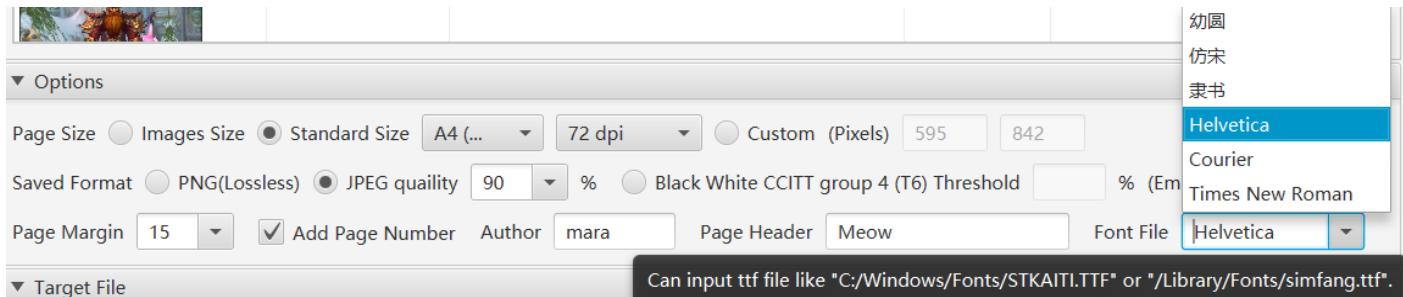
Image format can be set as:

- 1) PNG which is lossless
- 2) JPEG whose quality can be set.
- 3) Black-White(Binary) with threshold. Algorithm CCITT group4(T6) will be used.

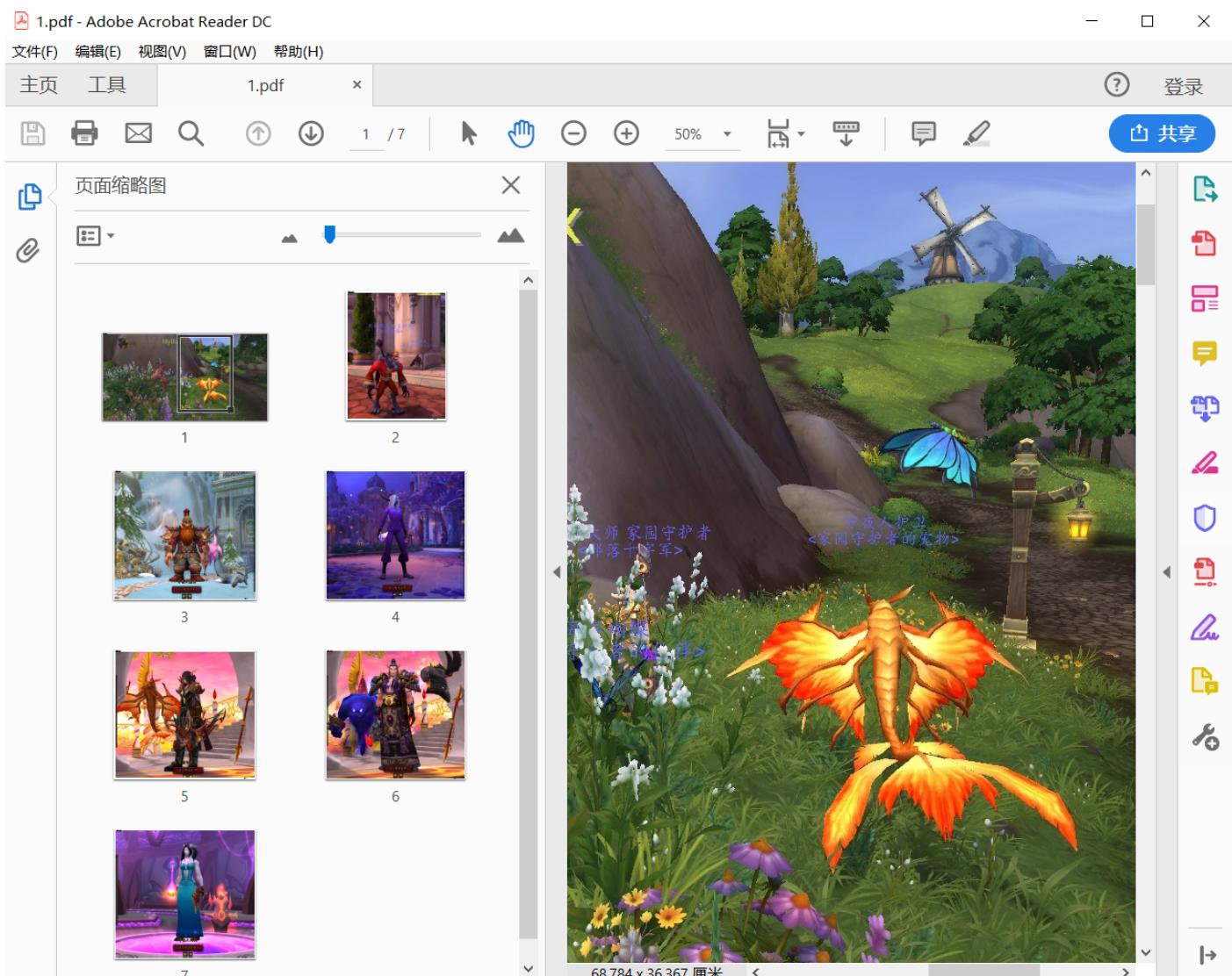


11.4 Margins, Author, and Page Header

- 1) Correct font should be set if unicode is used for page header or author. Program will search the system font file under default path automatically.
- 2) If the default font is not enough or the font file is not found under system path, user can input the ttf font file path, such as “[C:/Windows/Fonts/STKAITI.TTF](#)” or “[/Library/Fonts/simfang.ttf](#)”.

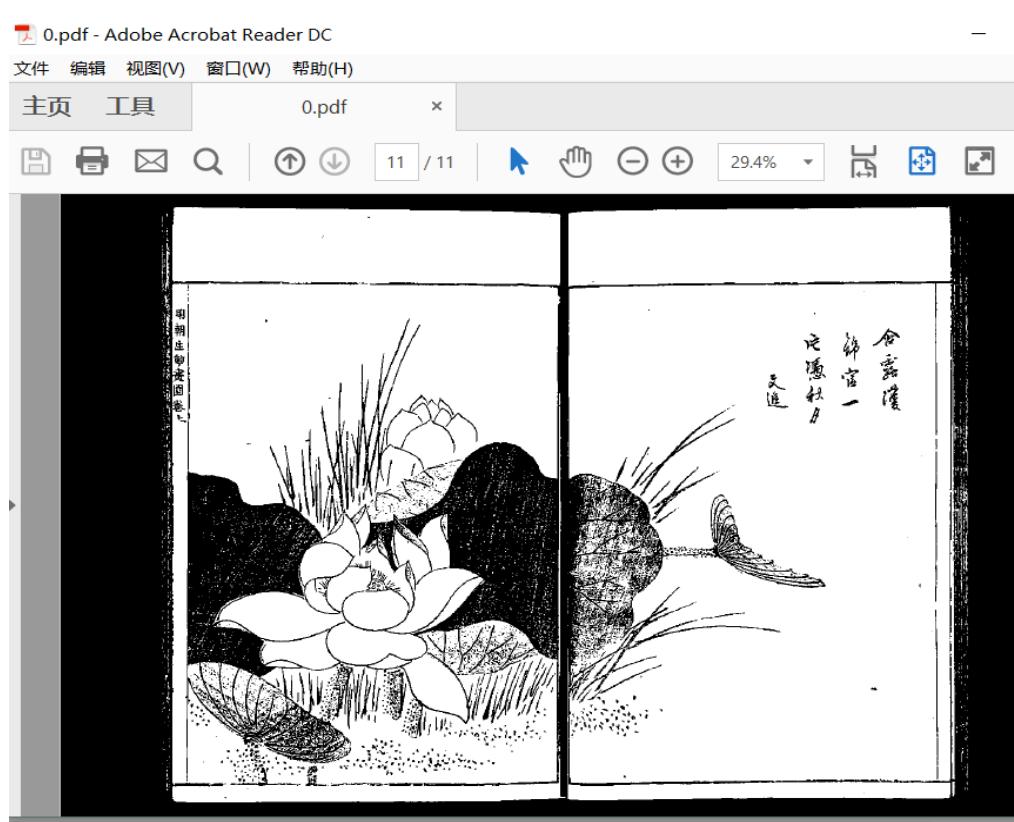
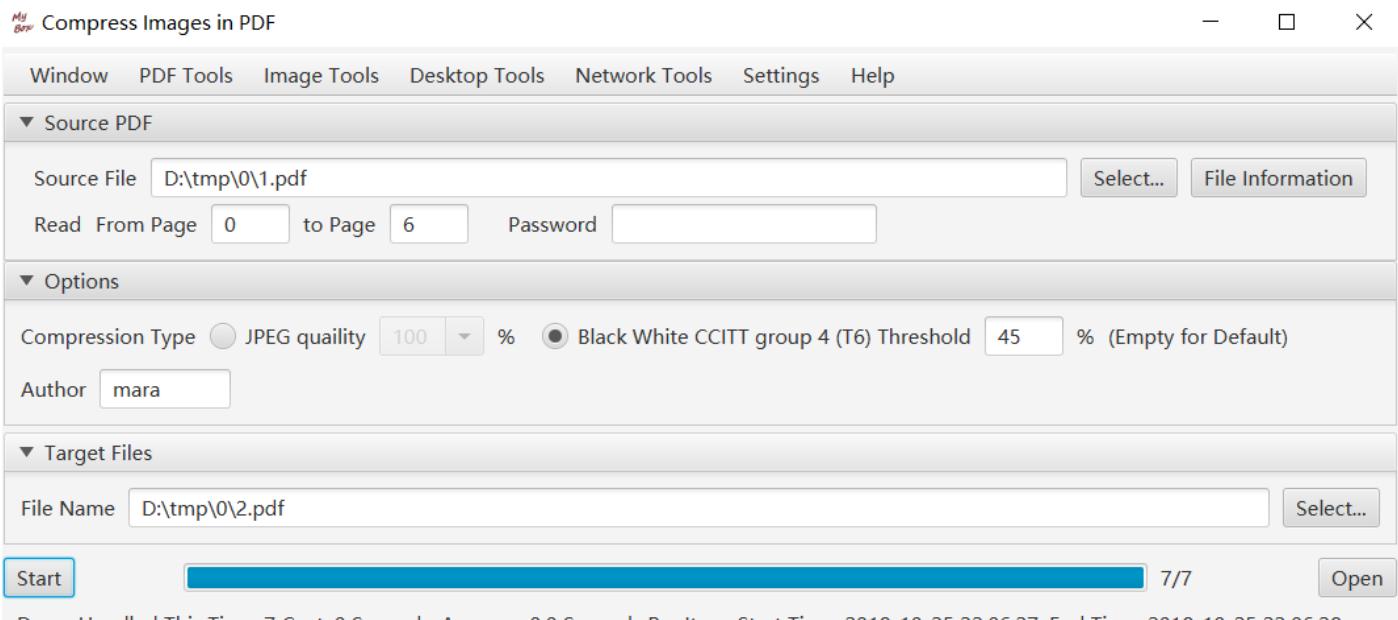


Following is an example of combined PDF file from some images:



12 Compress Images in PDF

- 1) Page range can be set.
- 2) Compression type can be set as:
 - (1) JPEG compression, with quality.
 - (2) Black-White(Binary) compression, with threshold(Empty for default).
- 3) Pages in range will be converted as defined format and saved in the new PDF file.

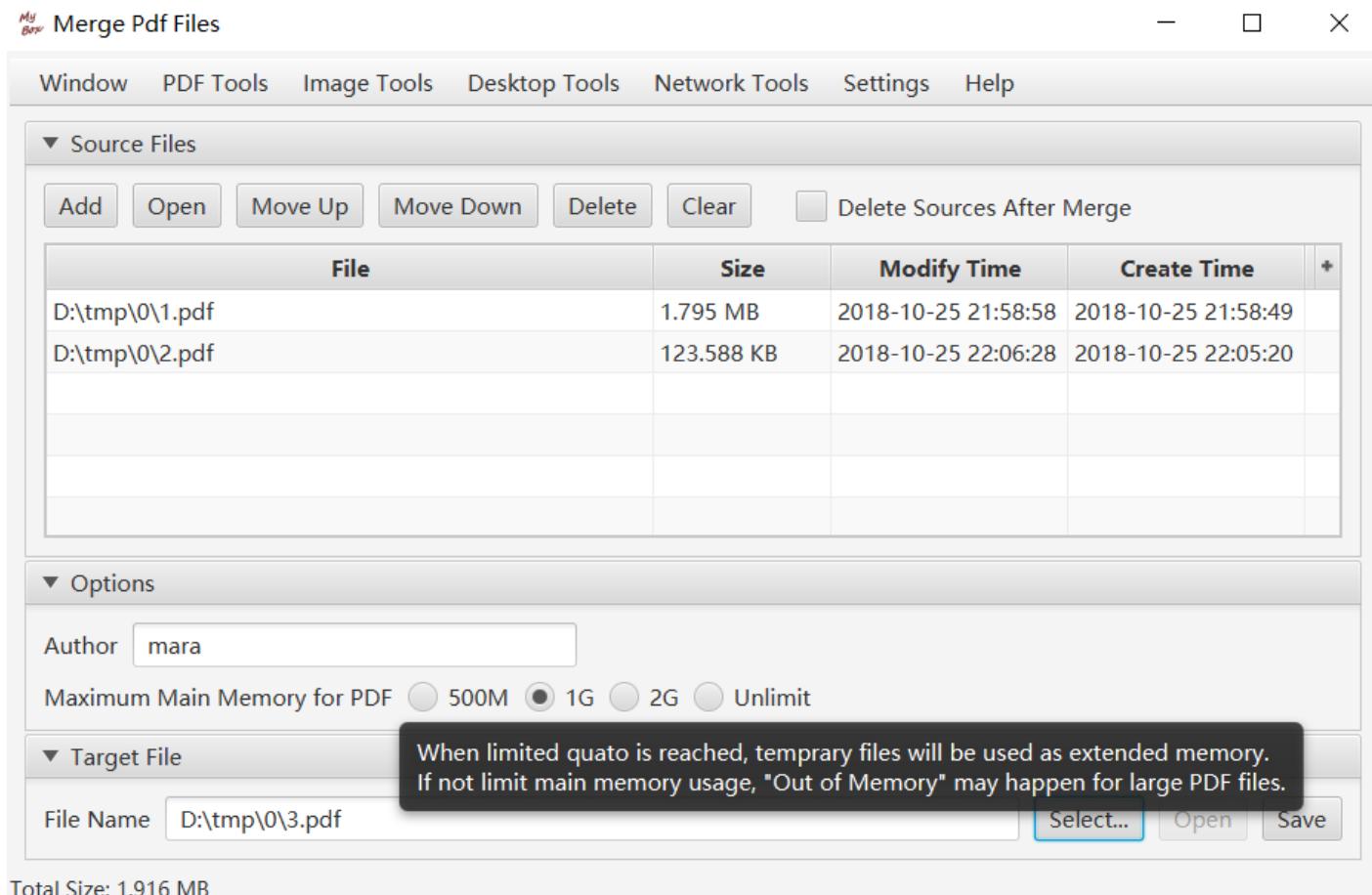


13 Merge PDF Files

- 1) Add, delete, clear, order the source PDF files
- 2) Open, move up, move down the selected PDF files.
- 3) Select whether delete sources after merge.
- 4) Input "Author" and temporary path.

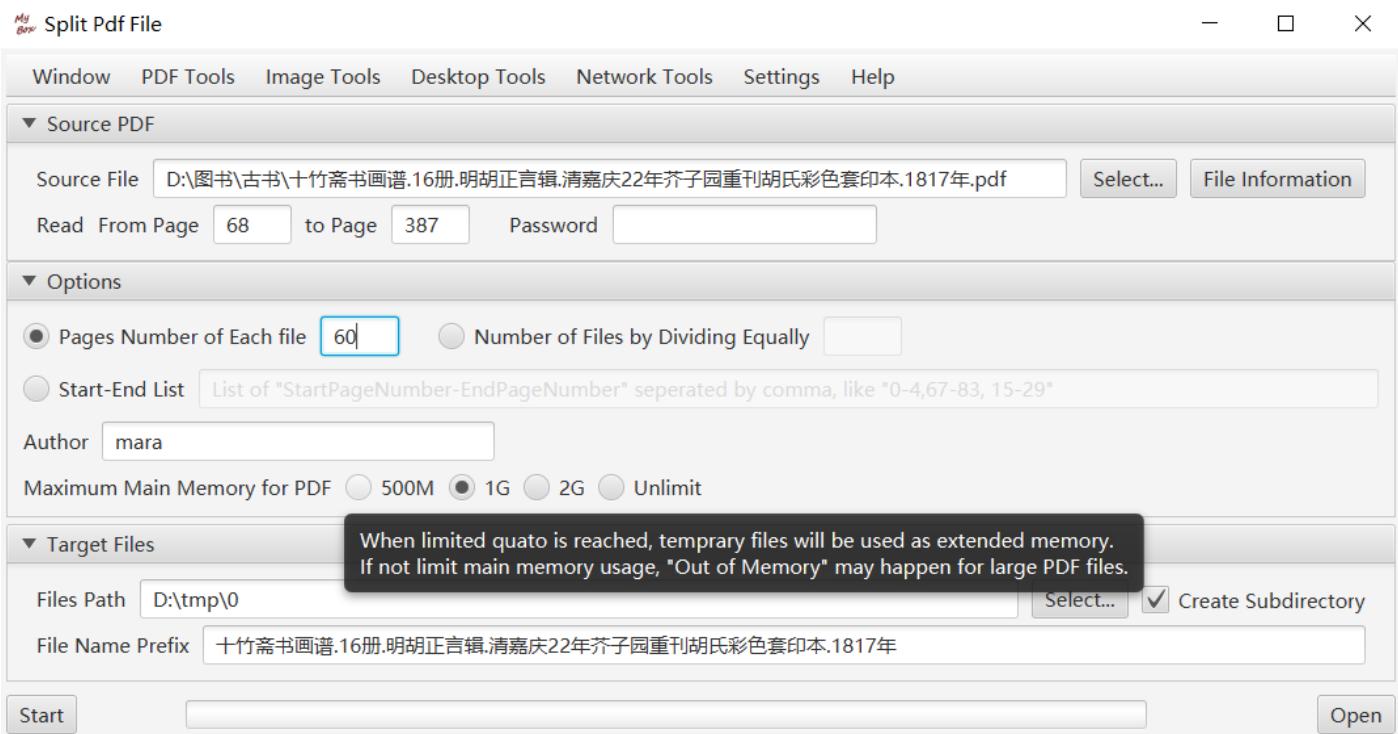
Total size is shown in bottom label.

Notice: To avoid "Out of Memory" when handle big PDF files, user need set "Maximum main memory for PDF" and "Temporary Files Path"(Refer to document "Overview") .

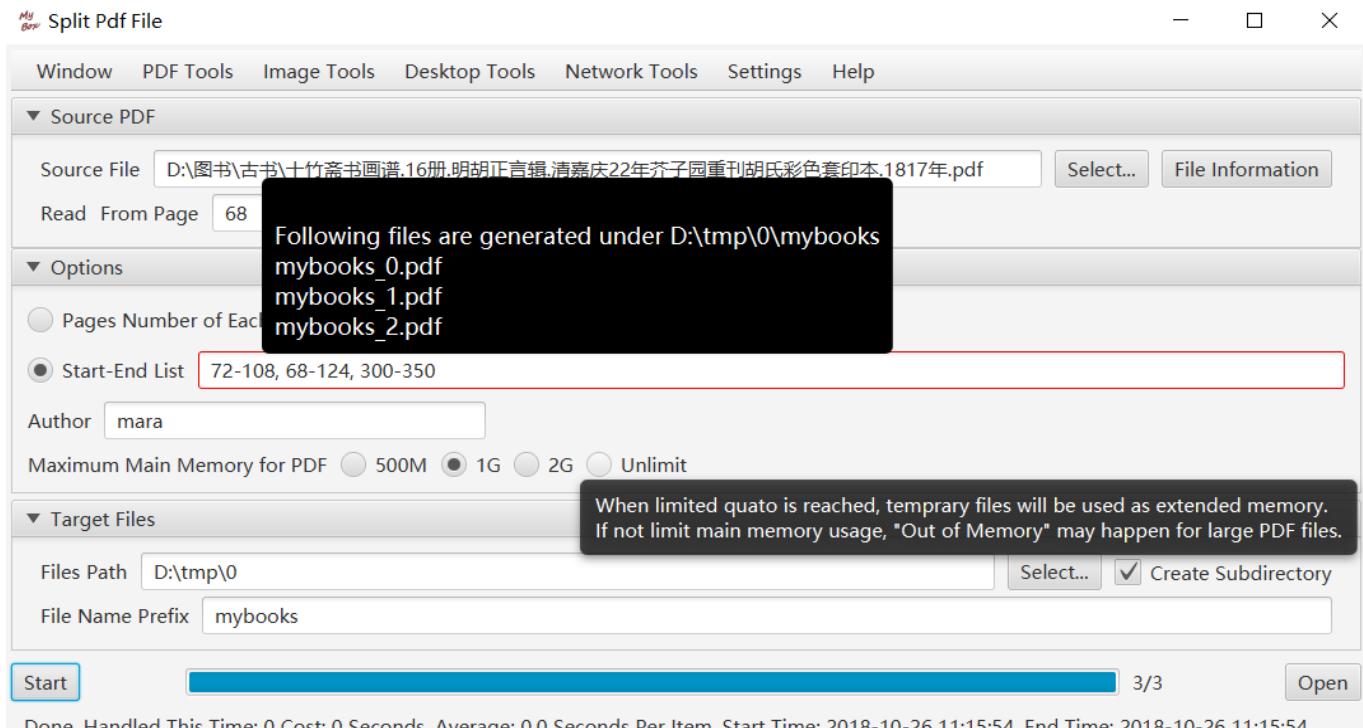


14 Split PDF File

- 1) Page range can be set.
- 2) Select the splitting method:
 - (1) By pages number of each splitted file.
 - (2) By the number of files(Divide the source file equally)
 - (3) By the start-end list separated by comma, like “3-8, 55-107, 35-82”. The items in the list need not be in order, and blanks can be between items. If some item is not in the page range or over the page range, it is considered as invalid. Invalid items do not affect execution of valid items.



MyBox User Guide - PDF Tools v5.0



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