

## Test document PDF

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Quisque volutpat pharetra tincidunt. Fusce sapien arcu, molestie eget varius egestas, faucibus ac urna. Sed at nisi in velit egestas aliquam ut a felis. Aenean malesuada iaculis nisl, ut tempor lacus egestas consequat. Nam nibh lectus, gravida sed egestas ut, feugiat quis dolor. Donec eu leo enim, non laoreet ante. Morbi dictum tempor vulputate. Phasellus ultricies risus vel augue sagittis euismod. Vivamus tincidunt placerat nisi in aliquam. Cras quis mi ac nunc pretium aliquam. Aenean elementum erat ac metus commodo rhoncus. Aliquam nulla augue, porta non sagittis quis, accumsan vitae sem. Phasellus id lectus tortor, eget pulvinar augue. Etiam eget velit ac purus fringilla blandit. Donec odio odio, sagittis sed iaculis sed, consectetur eget sem. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas accumsan velit vel turpis rutrum in sodales diam placerat.

Quisque luctus ullamcorper velit sit amet lobortis. Etiam ligula felis, vulputate quis rhoncus nec, fermentum eget odio. Vivamus vel ipsum ac augue sodales mollis euismod nec tellus. Fusce et augue rutrum nunc semper vehicula vel semper nisl. Nam laoreet euismod quam at varius. Sed aliquet auctor nibh. Curabitur malesuada fermentum lacus vel accumsan. Duis ornare scelerisque nulla, ac pulvinar ligula tempus sit amet. In placerat nulla ac ante scelerisque posuere. Phasellus at ante felis. Sed hendrerit risus a metus posuere rutrum. Phasellus eu augue dui. Proin in vestibulum ipsum. Aenean accumsan mollis sapien, ut eleifend sem blandit at. Vivamus luctus mi eget lorem lobortis pharetra. Phasellus at tortor quam, a volutpat purus. Etiam sollicitudin arcu vel elit bibendum et imperdiet risus tincidunt. Etiam elit velit, posuere ut pulvinar ac, condimentum eget justo. Fusce a erat velit. Vivamus imperdiet ultrices orci in hendrerit.

**GO**

pdfcpu is a tool for PDF manipulation written in Go.

Usage:

```
pdfcpu command [arguments]
```

The commands are:

validate	validate PDF against PDF 32000-1:2008 (PDF 1.7)
optimize	optimize PDF by getting rid of redundant page resources
split	split multi-page PDF into several single-page PDFs
merge	concatenate 2 or more PDFs
extract	extract images, fonts, content, pages out of a PDF
trim	create trimmed version of a PDF
version	print pdfcpu version

Single-letter Unix-style supported for commands and flags.

Use "pdfcpu help [command]" for more information about a command.







```

/*
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distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/

package pdfcpu

import "fmt"

type dim struct {
    w, h int
}

// AspectRatio returns the relation between width and height.
func (d dim) AspectRatio() float64 {
    return float64(d.w) / float64(d.h)
}

// Landscape returns true if d is in landscape mode.
func (d dim) Landscape() bool {
    return d.AspectRatio() > 1
}

// Portrait returns true if d is in portrait mode.
func (d dim) Portrait() bool {
    return d.AspectRatio() < 1
}

func (d dim) String() string {
    return fmt.Sprintf("%dx%d points", d.w, d.h)
}

// PaperSize is a map of known paper sizes in user units (=72 dpi pixels).
var PaperSize = map[string]dim{

    // ISO 216:1975 A
    "A0": (4768, 6741), // 66 1/4" x 93 5/8" 1682 x 2378 mm
    "A1": (3379, 4768), // 46 3/4" x 66 1/4" 1189 x 1682 mm
    "A2": (2384, 3379), // 33" x 46 3/4" 841 x 1189 mm
    "A3": (1684, 2384), // 23 3/8" x 33" 594 x 841 mm
    "A4": (1191, 1684), // 16 1/2" x 23 3/8" 420 x 594 mm
    "A5": (842, 1191), // 11 3/4" x 16 1/2" 297 x 420 mm
    "A6": (595, 842), // 8 1/4" x 11 3/4" 210 x 297 mm

    "A7": (420, 595), // 5 7/8" x 8 1/4" 148 x 210 mm
    "A8": (298, 420), // 4 1/8" x 5 7/8" 95 x 148 mm
    "A9": (210, 298), // 2 7/8" x 4 1/8" 74 x 95 mm
    "AB": (147, 210), // 2" x 2 7/8" 52 x 74 mm
    "AF": (105, 147), // 1 1/2" x 2" 37 x 52 mm
    "ASF": (74, 105), // 1" x 1 1/2" 26 x 37 mm

    // ISO 216:1975 B
    "B0": (3179, 4479), // 44" x 62 1/4" 1118 x 1584 mm
    "B1": (2285, 3179), // 39 3/8" x 55 3/4" 1000 x 1414 mm
    "B2": (1641, 2285), // 28 3/8" x 40 1/8" 720 x 1020 mm
    "B3": (1157, 1641), // 27 3/4" x 39 3/8" 707 x 1000 mm
    "B4": (819, 1157), // 20 1/2" x 28 3/8" 520 x 720 mm
    "B5": (584, 819), // 19 3/4" x 27 3/4" 500 x 707 mm
    "B6": (417, 584), // 13 7/8" x 19 3/4" 353 x 500 mm
    "B7": (297, 417), // 9 7/8" x 13 7/8" 250 x 353 mm
    "B8": (209, 297), // 7" x 9 7/8" 176 x 250 mm
    "B9": (148, 209), // 4 7/8" x 7" 125 x 176 mm
    "B10": (105, 148), // 3 1/2" x 4 7/8" 88 x 125 mm
    "B11": (74, 105), // 2 1/2" x 3 1/2" 62 x 88 mm
    "B12": (52, 74), // 1 3/4" x 2 1/2" 44 x 62 mm
    "B13": (37, 52), // 1 1/4" x 1 3/4" 31 x 44 mm

    // ISO 269:1985 envelopes aka ISO C
    "C0": (2599, 3677), // 36" x 51" 912 x 1297 mm
    "C1": (1837, 2599), // 25 1/2" x 36" 640 x 912 mm
    "C2": (1298, 1837), // 18" x 25 1/2" 458 x 640 mm
    "C3": (918, 1298), // 12 3/4" x 18" 324 x 458 mm
    "C4": (640, 918), // 9" x 12 3/4" 229 x 324 mm
    "C5": (458, 640), // 6 3/8" x 9" 162 x 229 mm
    "C6": (324, 458), // 4 1/2" x 6 3/8" 114 x 162 mm
    "C7": (229, 324), // 3 3/16" x 4 1/2" 81 x 114 mm
    "C8": (162, 229), // 2 1/4" x 3 3/16" 57 x 81 mm
    "C9": (114, 162), // 1 5/8" x 2 1/4" 40 x 57 mm
    "C10": (79, 114), // 1 1/8" x 1 5/8" 28 x 40 mm

    // ISO 217:2013 untrimmed raw paper
    "RA0": (2438, 3438), // 33.9" x 48.0" 800 x 1220 mm
    "RA1": (1729, 2438), // 24.0" x 33.9" 610 x 800 mm
    "RA2": (1219, 1729), // 16.9" x 24.0" 430 x 610 mm
    "RA3": (865, 1219), // 12.0" x 16.9" 305 x 430 mm
    "RA4": (610, 865), // 8.9" x 12.0" 215 x 305 mm

    "RA0+": (2551, 3628), // 35.4" x 50.4" 900 x 1280 mm
    "RA1+": (1814, 2551), // 25.2" x 35.4" 640 x 900 mm
    "RA2+": (1276, 1814), // 17.7" x 25.2" 450 x 640 mm
    "RA3+": (907, 1276), // 12.6" x 17.7" 320 x 450 mm
    "RA4+": (638, 907), // 8.9" x 12.6" 225 x 320 mm

    "RA1+": (2035, 4000), // 26.0" x 36.2" 660 x 920 mm
    "RA2+": (1361, 1843), // 18.9" x 25.6" 480 x 650 mm
    "RA3+": (907, 1361), // 12.6" x 18.1" 320 x 460 mm
    "RA3+": (2035, 4000), // 12.6" x 18.3" 320 x 464 mm

    // American
    "SuperB": (936, 1368), // 13" x 19"
    "B+": (936, 1368),

    "Tabloid": (791, 1225), // 11" x 17" ANSI B, DoubleCerta
    "ExtraTabloid": (865, 1296), // 12" x 18" ARCH B, Arch 2
    "Ledger": (1225, 791), // 17" x 11" ANSI B
    "Legal": (612, 1009), // 8 1/2" x 14"

    "GovLegal": (612, 936), // 8 1/2" x 13"
    "Oficio": (612, 936),
    "Folio": (612, 936),

    "Letter": (612, 791), // 8 1/2" x 11" ANSI A
    "Certa": (612, 791),
    "AmericanQuarto": (612, 791),

    "DoubleCerta": (791, 1225), // 11" x 17" Tabloid, ANSI B

    "GovLetter": (576, 757), // 8" x 10 1/2"
    "Executive": (522, 756), // 7 1/4" x 10 1/2"

    "HalfLetter": (397, 612), // 5 1/2" x 8 1/2"
    "Memo": (397, 612),
    "Statement": (397, 612),
    "Stationary": (397, 612),

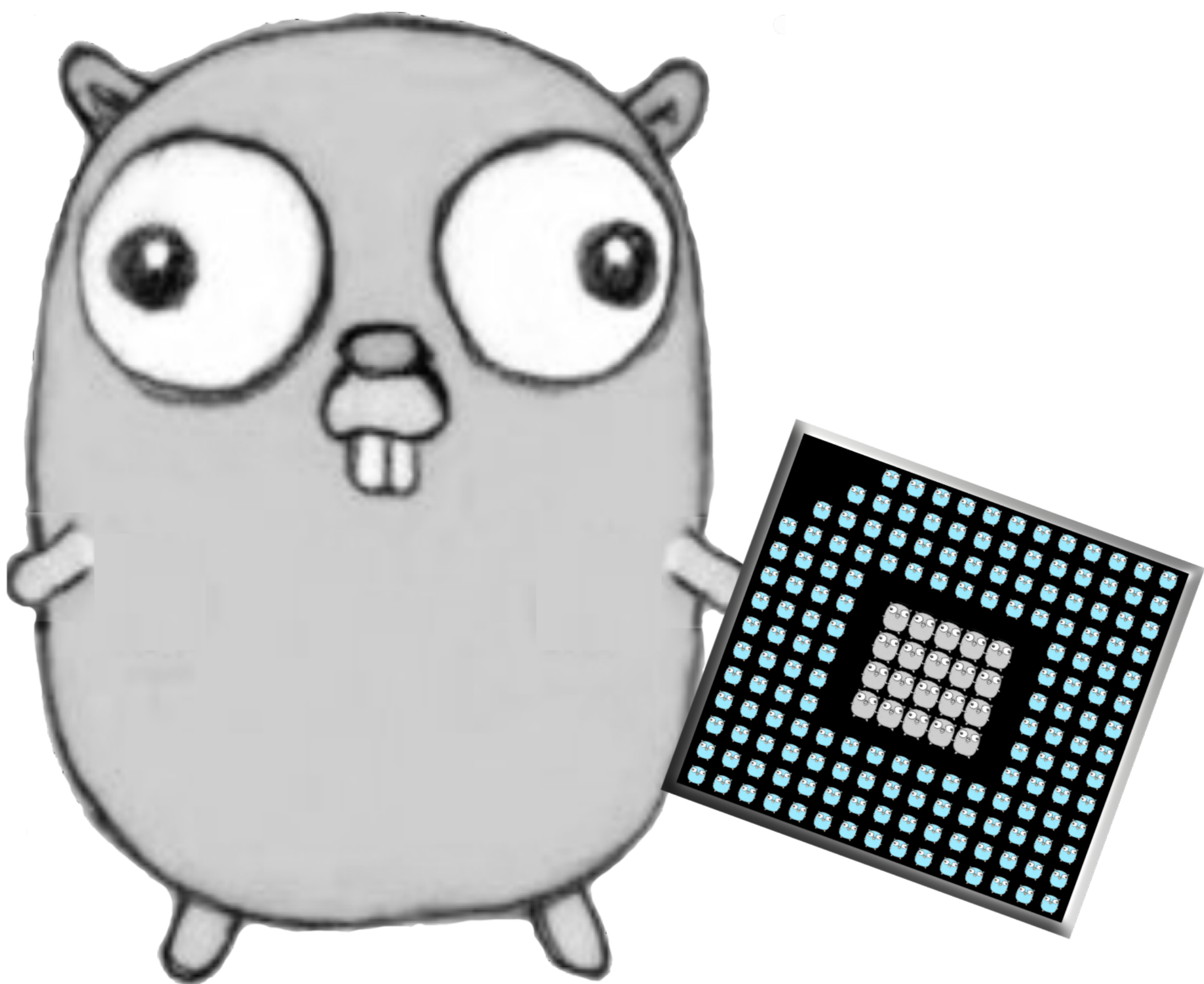
    "JuniorLegal": (390, 576), // 5" x 8"
    "IndexCard": (390, 576),

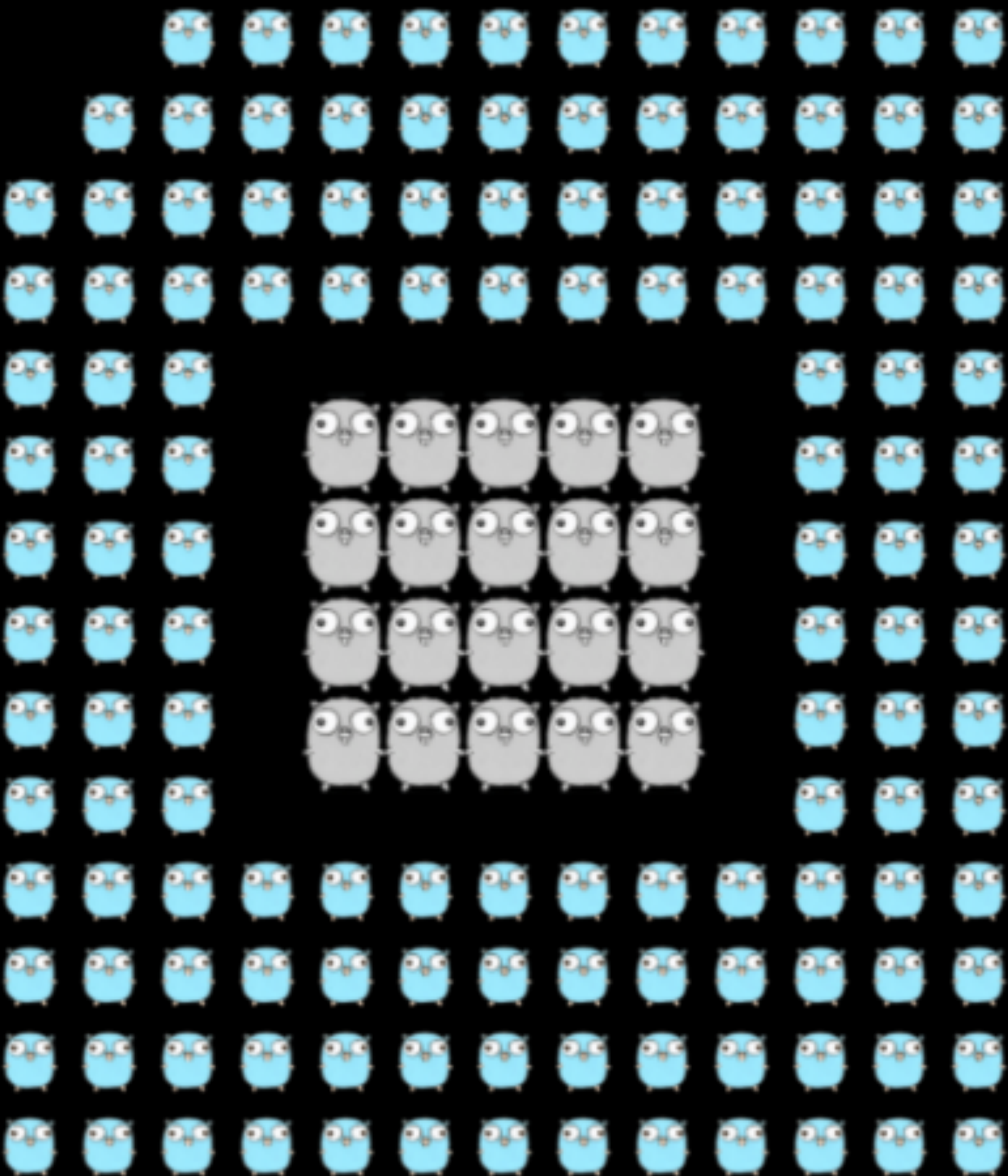
    "Photo": (288, 432), // 4" x 6"

    // ANSI/ASME Y14.1
    "ANSIA": (612, 791), // 8 1/2" x 11" Letter, Carta, AmericanQuarto
    "ANSIB": (791, 1225), // 11" x 17" Ledger, Tabloid, DoubleCerta
    "ANSIC": (1225, 1585), // 17" x 22"
    "ANSID": (1585, 2449), // 22" x 34"
    "ANSIE": (2449, 3174), // 34" x 44"
    "ANSIF": (2856, 2880), // 28" x 40"

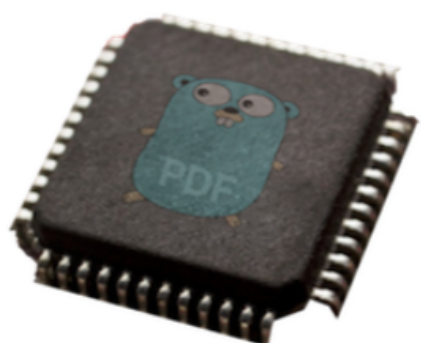
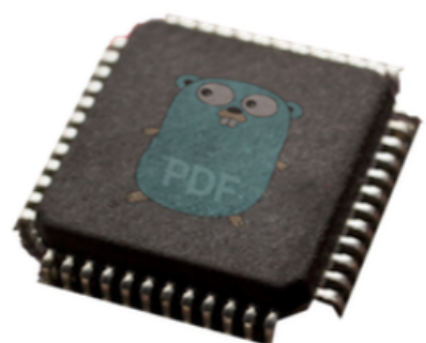
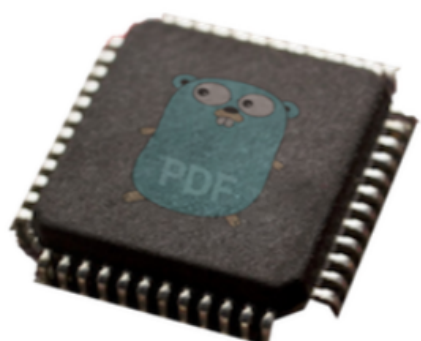
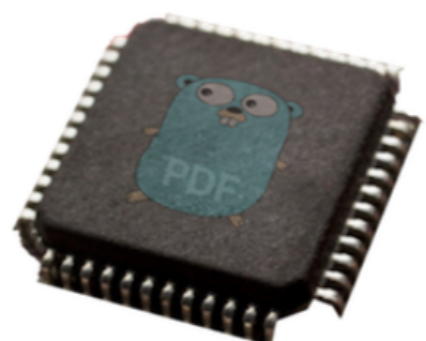
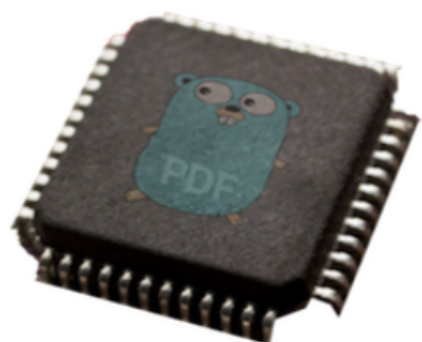
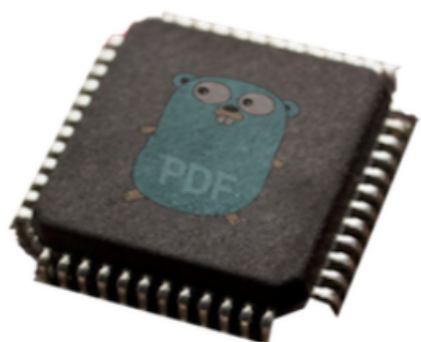
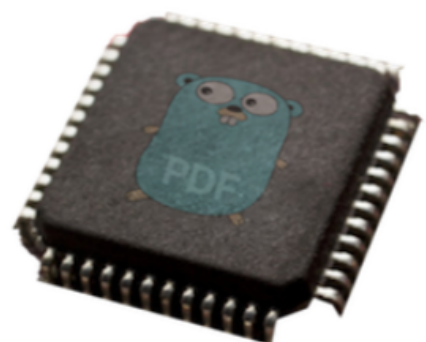
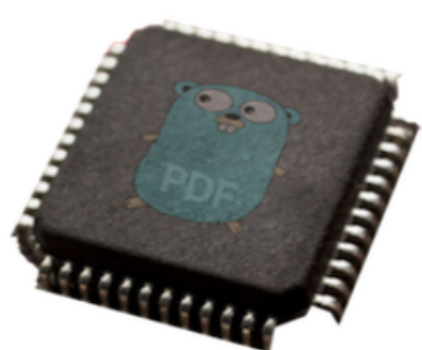
    // ANSI/ASME Y14.1 Architectural series
    "ARCHA": (649, 805), // 9" x 12" Arch 1
    "ARCHB": (865, 1296), // 12" x 18" Arch 2, ExtraTabloide
    "ARCHC": (1296, 1729), // 18" x 24" Arch 3
    "ARCHD": (1729, 2591), // 24" x 36" Arch 4
    "ARCHE": (2591, 3456), // 36" x 48" Arch 5
    "ARCHF": (2591, 3625), // 36" x 42" Arch 5
    "ARCHG": (1875, 2736), // 26" x 38"
    "ARCHE3": (1945, 2880), // 27" x 39"

```











pdfcpu is a tool for PDF manipulation written in Go.

Usage:

pdfcpu command [arguments]

The commands are:

validate	validate PDF against PDF 32000-1:2008 (PDF 1.7)
optimize	optimize PDF by getting rid of redundant page resources
split	split multi-page PDF into several single-page PDFs
merge	concatenate 2 or more PDFs
extract	extract images, fonts, content, pages out of a PDF
trim	create trimmed version of a PDF
version	print pdfcpu version

Single-letter Unix-style supported for commands and flags.

Use "pdfcpu help [command]" for more information about a command.





# Wonderwall

Words & Music by Noel Gallagher

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♩.90

Chords: F#m, A, Esus4, F#m, F#m, A, Esus4, F#m.

To - day is gon-na be the day that they're gon-na throw it back to you,--

by now you should-'ve some-how re-al-ised what you got-ta do.--

91

Chords: F#m, A, Esus4, F#m.

I don't be-lieve-- that an-y-bo-dy feels the way I do-- a-bout you now--

1. Back-beat the word was on the street that the fi-re in your heart is out--  
(Verse 2 see block lyric)

I'm sure you've heard it all be-fore but you nev-er real-ly had a doubt--

92

Chords: F#m, A, Esus4, Bm.

I don't be-lieve-- that an-y-bo-dy feels the way I do-- a-bout you now--

And all--

the roads-- we have-- to walk-- are wind-ing and all--

the lights-- that lead-- us there-- are blind-ing.

93

Chords: D, E, A, F#m, Bm, F#m, A, F#m, D, F#m.

There are ma-ny things-- that I-- would like to say to you-- but I don't know how--

may-be-- you're gon-na be the one that

saves me-- and af-ter all--

94



Chapter 8, Interactive Features

8.2, Document-Level Navigation

Page 8.85

In Table 8.3, “Entries in the outline dictionary,” replace the **Count** entry with the following entry:

KEY	SUBTYPE	DESCRIPTION
<b>Count</b>	integer	(Required) Total number of visible outline items at all levels of the outline. The value cannot be negative.  This entry shall be omitted if there are no open outline items.

In Table 8.4, replace the **Count** entry with the following entry:

KEY	SUBTYPE	DESCRIPTION
<b>Count</b>	integer	(Required if the item has a type and is not) If the outline item is open, <b>Count</b> is the sum of the number of visible descendent outline items at all levels. The number of visible descendent outline items is determined by the following recursive process:  Step 1: Initialize <b>Count</b> to zero.  Step 2: Add to <b>Count</b> the number of immediate children. During repetition of this step, update only the <b>Count</b> of the original outline item.  Step 3: For each of those immediate children whose <b>Count</b> is positive and non-zero, repeat step 2 and 3.  If the outline item is closed, <b>Count</b> is negative and its absolute value is the number of descendants that would be visible if the outline item were opened.

8.4, Annotations

Page 8.97

In Table 8.15, “Entries common to an annotation dictionary,” the description for the **Border** entry contains a note. Replace that note with the following note:

**Note:** In PDF 1.2 or later, the dictionary for some annotation types (such as free text and polygon annotations) can include the **BS** entry. That entry specifies a border style dictionary that has more settings than the array specified for the **Border** entry. If an annotation dictionary included in the **BS** entry, then the **Border** entry is ignored; see implementation note 8.2 in Appendix H.

Page 8.12

In Algorithm 8.1, replace the formula in Step 3 with the following formula:

$$AA = Matrix \times A$$

Page 8.22

In Table 8.24, “Additional entries specific to a border annotation,” add the following entry:

KEY	SUBTYPE	DESCRIPTION
<b>BS</b>	dictionary	(Optional, PDF 1.4) A border style dictionary (see Table 8.17 on page 611) specifying the line width and dash pattern to be used in drawing the annotation's border.  The annotation dictionary's <b>AP</b> entry, if present, takes precedence over the <b>BS</b> entry; see Table 8.15 on page 606 and Section 8.4.4, “Appearance Streams.”

Page 8.24 and 8.25

In Table 8.25, “Additional entries specific to a free text annotation,” replace the Value descriptions for the entries shown in the following table. Notice that the **CL** type has changed.

KEY	TYPE	VALUE
<b>CL</b>	array	(Optional, meaningful only if <b>FT</b> is <b>FreeTextCallout</b> , PDF 1.4) An array of four or six numbers specifying a callout line attached to the free text annotation. Six numbers [ $x_1$ $y_1$ $x_2$ $y_2$ $x_3$ $y_3$ ] represent the starting, lower point, and ending coordinates of the line in default user space, as shown in Figure 8.4. Four numbers [ $x_1$ $y_1$ $x_2$ $y_2$ ] represent the starting and ending coordinates of the line.  If
<b>FT</b>	name	(Optional, PDF 1.4) A name of describing the intent of the free text annotation (see also the <b>FT</b> entry in Table 8.21). The following values shall be valid: <ul style="list-style-type: none"><li>• <b>FreeText</b>, which means the annotation is intended to function as a plain free-text annotation. Again free-text annotation is also known as a text box comment.</li><li>• <b>FreeTextCallout</b>, which means that the annotation is intended to function as a callout. The callout is associated with an area on the page through the callout line specified in <b>CL</b>. See the implementation note on page 1.7.</li><li>• <b>FreeTextTypeWriter</b>, which means that the annotation is intended to function as a click-to-type or typewriter object and no callout line is drawn.</li></ul> Default value is <b>FreeText</b> .

KEY	TYPE	VALUE
<b>LE</b>	name	(Optional, meaningful only if <b>CL</b> is present, PDF 1.4) A name specifying the line ending style that shall be used in drawing the callout line specified in <b>CL</b> . The name specifies the line ending style for the endpoint defined by the pair of coordinates ( $x_3$ $y_3$ ). Table 8.27 shows the possible line ending styles.  Default value is <b>Name</b> .
<b>BS</b>	dictionary	(Optional, PDF 1.4) A border style dictionary (see Table 8.17 on page 611) specifying the line width and dash pattern that shall be used in drawing the annotation's border.  The annotation dictionary's <b>AP</b> entry, if present, takes precedence over the <b>BS</b> entry; see Table 8.15 on page 606 and Section 8.4.4, “Appearance Streams.”

Page 8.41

In Table 8.28, “Additional entries specific to a widget annotation,” add the following entry:

KEY	SUBTYPE	DESCRIPTION
<b>Parent</b>	dictionary	(Required if the widget annotation is an of multiple children in a field; absent otherwise) An indirect reference to the widget annotation's parent field. A widget annotation can have at most one parent, but it can be included in the <b>Kids</b> array of at most one field.

8.6, Interactive Forms

Page 8.77

Add the following paragraph before the third paragraph on this page. That paragraph begins with the phrase “Thus, all fields descend from a common ancestor...”

Because the period is used as a separator for fully qualified names, a partial name shall not contain a period.

Page 8.96

Replace the last sentence in the second paragraph with the following sentence. The sentence to replace begins with “Signature field that are not intended to be visible should have an annotation rectangle that has zero height and width. Viewer applications must treat such signatures as not visible. Viewer applications should also treat signatures as not visible if either the **Hidden** bit or the **NoView** bit of the **FT** entry is true. The **FT** entry is described in Table 8.15, and annotation flags are described in Table 8.16.

Page 8.98

In Table 8.83, “Entries in a signature field and value dictionary,” replace the Value descriptions for the entries shown in the following table:

KEY	TYPE	VALUE
<b>Reasons</b>	array	(Optional) An array of text strings specifying possible reasons for signing a document. If specified, the reasons supplied in this entry replace those used by viewer applications. <ul style="list-style-type: none"><li>• If the <b>Reasons</b> array is provided and the <b>FT</b> entry indicates that <b>Reasons</b> is a required constraint, one of the reasons in the array shall be used for the signature dictionary; otherwise, signing shall not take place. If the <b>FT</b> entry indicates <b>Reasons</b> is an optional constraint, one of the reasons in the array may be chosen or a custom reason can be provided.</li><li>• If the <b>Reasons</b> array is omitted or contains a single entry with the value period (“.”) and the <b>FT</b> entry indicates that <b>Reasons</b> is a required constraint, the <b>Reasons</b> entry shall be omitted from the signature dictionary (see Table 8.102).</li></ul>
<b>MDP</b>	dictionary	(Optional, PDF 1.6) A dictionary containing a single entry whose key is <b>P</b> and whose value is an integer between 0 and 3. A value of 0 defines the signature as an approval signature (previously called an ordinary signature) (see Section 8.7, “Digital Signatures”). The values 1 through 3 shall be used for certification signatures (previously called author signatures) and correspond to the value of <b>P</b> in a <b>DocMDP</b> transform parameters dictionary (see Table 8.104).  If this entry is not present or does not contain a <b>P</b> entry, no rules shall be defined regarding the type of signature or its permissions.

Page 8.99

In Table 8.83, “Entries in a signature field and value dictionary,” the description for the **FT** entry describes supported bit positions. Remove the value 7 (**DigestMethod**).

8.7 Digital Signatures

Beginning with PDF 1.7, the use of object digests for digital signatures is deprecated. As a result, the **UR** entry in the permissions dictionary is also deprecated. The **UR** entry should be used in its place. The **UR** and **MDP** entries refer to a **UR** transform parameter dictionary. The **UR** transform method itself and its attendant parameter dictionaries to remain in PDF, only the specific **UR** entry in the permissions dictionary is deprecated.

The presence of a **UR** entry in the permissions dictionary requires an object digest to be computed. But the presence of a **MDP** entry in the permissions dictionary does not require an object digest; modifications in that case are detected with a byte range digest and analysis of any changes made since the signature was applied.

Page 7.25

Add the following paragraph after the third paragraph:

PDF 1.5 specified a method for computing an object digest over a subtree of objects in memory and storing the resulting digest in entries named **DigestValue** and **DigestLocation** in the signature

reference dictionary. (The digest algorithm was documented in Appendix I, “Computation of Object Digests.”) This method is deprecated and should not be used. All mentions of object digests in Section 8.7, “Digital Signatures,” should be disregarded.

Replace the bullet at the bottom of the page with the following bullet and paragraph. The bullet to replace begins with “An object digest...”

- Modification of an object shall be specified by a signature reference dictionary. The **TransformMethod** entry shall specify the general method for modification detection, and the **TransformParameters** entry shall specify the variable portions of the method.

Page 7.26

Change the introductory phrase for the first bullet on the page to the following:

- One or more approval signatures.

Replace the second bullet on the page with the following:

- At most one certification signature (PDF 1.5). The signature dictionary of a certification signature shall be the value of a signature field and shall contain a **ByteRange** entry. It may also be referenced from the **DocMDP** entry in the permissions dictionary (see Section 8.7.3, “Permissions”). The signature dictionary shall contain a signature reference dictionary (see Table 8.103) that has a **DocMDP** transform method. See “DocMDP” on page 731 for information on how these signatures are created and validated.

A signature dictionary for a certification or approval signature may also have a signature reference dictionary with a **FieldMDP** transform method; see “FieldMDP” on page 736.

Page 7.30

In Table 8.103, “Entries in a signature reference dictionary,” add the following sentences to the Value descriptions for the **DigestValue**, **DigestLocation**, and **DigestMethod** keys:

These entries are part of the deprecated object digest feature and should not be used. (See implementation note 140a on page 1.7 of this annex.)

In Table 8.103, “Entries in a signature reference dictionary,” append the following sentence to the **TransformMethod** value validity:

The **Identify** transform method is deprecated and should not be used.

Page 7.31

Replace the second sentence in the third paragraph on the page with the following sentence. The sentence to replace begins with “Such a signature modification...”

Certification signatures use the **DocMDP** transform method to enable detection of changes to the author dictionary.

Page 7.32

Replace the note at the top of this page with the following paragraph:

A certification signature shall have a legal attestation dictionary (see Section 8.7.4, “Legal Content Attestation”) that specifies all content that might result in unexpected rendering of the document contents, along with the author's attestation to such content. This dictionary may be used to establish an author's intent if the integrity of the document is questioned.

Chapter 10, Document Interchange

Section 10.7, Tagged PDF

Page 9.97

Replace the paragraph that begins with the phrase “A link element may contain several link annotations...” with the following paragraphs, example, and note.

When a **Link** structure element describes a span of text to be associated with a link annotation and that span wraps from the end of one line to the beginning of another, the **Link** structure element shall include a single object reference that associates the span with the associated link annotation. Further, the link annotation shall use the **QuadPoint** entry to denote the active area on the page.

Figure 9.19 Wrapping active area associated with a link annotation

Here is some text with a link inside.

In the above example, the **Link** structure element references a link annotation that includes a **QuadPoint** entry that boxes the strings “with a” and “link.” That is, the **QuadPoint** entry contains 16 numbers: the first 8 numbers describe a quadrilateral for “with a,” and the next 8 describe a quadrilateral for “link.”

**Note:** Beginning with PDF 1.7, use of the **Link** structure element to enclose multiple link annotations is deprecated.

Section 10.10, Prepress Support

Page 9.70

The second sentence in the second paragraph in section 10.10.4, “Output intents,” begins with “For example, one production...” Replace that sentence with the following sentence:

For example, one production facility might process files conforming to a recognized standard such as PDF/X-1, while another uses the PDF/A format to produce RGB output for document distribution on the Web.

Replace the last paragraph on the page with the following paragraph. That paragraph continues on to page 9.71.

The following output intent subtypes are defined:

- **GS\_PDFA** corresponding to the PDF/X format standard as specified in ISO 15930 (see the Bibliography).
- **GS\_PDFA1** corresponding to the PDF/A format standard as defined by ISO 19005 (see the Bibliography).
- **ISO\_PDFA1** corresponding to the PDF/E format standard as defined by ISO 24517 (see the Bibliography).

Table 10.51 shows the contents of this type of output intent dictionary. Other subtypes may be added in the future; the names of any such additional subtypes shall conform to the naming guidelines described in Appendix E.

Page 9.71

In Table 10.51, “Entries in a PDF/Output intent dictionary,” replace the description for the **S** entry shown in the following table:

KEY	SUBTYPE	DESCRIPTION
<b>S</b>	name	(Required) The output intent subtype. Supported values shall be <b>GS_PDFA</b> , <b>GS_PDFA1</b> or <b>ISO_PDFA1</b> .

Appendix C, Implementation Limits

Page 9.91

Append the following sentence to the paragraph that appears after the bullet and that begins “PDF itself has one architectural limit...”

This limit does not apply in a PDF file that uses a cross-reference stream (see 3.4.7, “Cross-Reference Streams”) instead of a cross-reference table.

Appendix H, Compatibility and Implementation Notes

Page 1.11.4

After the section titled “8.4.5, ‘Annotation Types’ (Free Text Annotations),” add the following section heading and implementation note:

8.4.5, “Annotation Types” (Free Text Annotations)

In Acrobat 7 and later versions, a failure may occur when Acrobat re-draws a free text annotation whose **FT** entry has a value of **FreeTextCallout** and whose **CL** entry is omitted.

Page 1.12.1

Add the following implementation note, after implementation note 140:

140 a. Acrobat 7 and Acrobat 8 require the **DigestValue** and **DigestLocation** entries to be present, with dummy values that are not used. This requirement is eliminated in Acrobat 8.1 and later.

Appendix I, Computation of Object Digests

Page 1.13.1

Add the following sentence after the first sentence in this appendix:

This method for detecting modifications is deprecated and should not be used. Additionally, the description of the digest then is known to contain significant errors.

Bibliography

Page 1.15.2

Replace the document title OpenType Font Specification with OpenType Specification v 1.4.

Page 1.15.4

Add the qualifier 1st Edition to the ECMA-363 specification, as follows:

Ecma International, Standard ECMA-363, Universal 3D Postformat, 1st Edition. This document is available at [www.ecma-international.org](http://www.ecma-international.org).

Add the following entry:

ANSI X3A-1986, Information Systems — Coded Character Set 7-Bit American National Standard Code for Information Interchange (7-Bit ASCII).

Page 1.15.6

Add the following entry to the list of specifications available on International Organization for Standardization (ISO):

ISO 19005-1:2005, Document management — Electronic document file format for long-term preservation — Part 1: Use of PDF 1.4 (PDF/A-1).

ISO/IEC 24517-1, Document management — Engineering document format using PDF — Part 1: Use of PDF 1.4 (PDF/E-1).



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### HENRY DAVID THOREAU

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A PDF processor written in Go.

Edit

#go #golang #golang-library #pdf #processor #pdf-processor #pdf-files Manage topics

121 commits

1 branch

Contributors

Apache-2.0

Branch: master

New pull request

hhrutter fix stream parsing

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cmd/pdfcpu

v0.1.18 fix

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9 months ago

2 months ago

2 months ago

6 days ago

2 months ago

README.md

pdfcpu: a golang pdf processor

build pending godep reference coverage



Package pdfcpu is a simple PDF processor written in Go. Supported are all versions up to PDF 1.7.

### Status

Version: 0.1.18

- Extended API to support webserver
- Support for watermarking/stamping
- Extended logging into horizontal (init, Debug, trace etc.) vs. vertical logging (Read, Validate, Write etc).
- The CLI will produce regular logging if you use -verbose, or -v.
- The CLI will produce verbose logging if you use -vv.
- More tests in api/process\_test.go
- More examples in api/example\_test.go

it provides both an API and a CLI.

**F#m** **A** **Esus4** **F#m**

I don't be - lieve— that an - y - bo - dy feels the way I do— a - bout you now.—

**Dmaj7** **Esus4**

**Wonderwall**  
Words & Music by Noel Gallagher  
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**F#m** **A** **Esus4** **Bm**

To - day is gon - na be the day that they're gon - na throw it back to you—  
by now you should - ve some - how re - al - ized what you got - ta do—  
heart is out.—

**F#m** **A** **Esus4** **Bm**

I'm sure you've heard it all be - fore but you nev - er real - ly had a doubt.—



Intentionally

Left  
punch





pdfcpu: a pdf processor written in Go

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