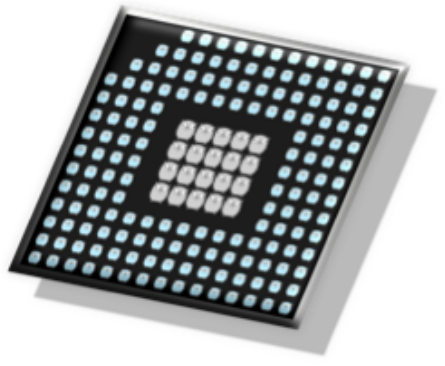

Test document PDF

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla est purus, ultrices in porttitor in, accumsan non quam. Nam consectetur porttitor rhoncus. Curabitur eu est et leo feugiat auctor vel quis lorem. Ut et ligula dolor, sit amet consequat lorem. Aliquam porta eros sed velit imperdiet egestas. Maecenas tempus eros ut diam ullamcorper id dictum libero tempor. Donec quis augue quis magna condimentum lobortis. Quisque imperdiet ipsum vel magna viverra rutrum. Cras viverra molestie urna, vitae vestibulum turpis varius id. Vestibulum mollis, arcu iaculis bibendum varius, velit sapien blandit metus, ac posuere lorem nulla ac dolor. Maecenas urna elit, tincidunt in dapibus nec, vehicula eu dui. Duis lacinia fringilla massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Ut consequat ultricies est, non rhoncus mauris congue porta. Vivamus viverra suscipit felis eget condimentum. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Integer bibendum sagittis ligula, non faucibus nulla volutpat vitae. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. In aliquet quam et velit bibendum accumsan. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Vestibulum vitae ipsum nec arcu semper adipiscing at ac lacus. Praesent id pellentesque orci. Morbi congue viverra nisl nec rhoncus. Integer mattis, ipsum a tincidunt commodo, lacus arcu elementum elit, at mollis eros ante ac risus. In volutpat, ante at pretium ultricies, velit magna suscipit enim, aliquet blandit massa orci nec lorem. Nulla facilisi. Duis eu vehicula arcu. Nulla facilisi. Maecenas pellentesque volutpat felis, quis tristique ligula luctus vel. Sed nec mi eros. Integer augue enim, sollicitudin ullamcorper mattis eget, aliquam in est. Morbi sollicitudin libero nec augue dignissim ut consectetur dui volutpat. Nulla facilisi. Mauris egestas vestibulum neque cursus tincidunt. Donec sit amet pulvinar orci.

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.

Draft

```
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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You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

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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
    "4A0": {4768, 6741}, // 66 1/4" x 93 5/8"   1682 x 2378 mm
    "2A0": {3370, 4768}, // 46 3/4" x 66 1/4"   1189 x 1682 mm
    "A0":  {2384, 3370}, //     33" x 46 3/4"    841 x 1189 mm
    "A1":  {1684, 2384}, // 23 3/8" x 33"        594 x 841 mm
    "A2":  {1191, 1684}, // 16 1/2" x 23 3/8"    420 x 594 mm
    "A3":  {842, 1191},  // 11 3/4" x 16 1/2"    297 x 420 mm
    "A4":  {595, 842},   //  8 1/4" x 11 3/4"    210 x 297 mm


    "A5":  {420, 595},   //  5 7/8" x 8 1/4"     148 x 210 mm
    "A6":  {298, 420},   //  4 1/8" x 5 7/8"     105 x 148 mm
    "A7":  {210, 298},   //  2 7/8" x 4 1/8"      74 x 105 mm
    "A8":  {147, 210},   //      2" x 2 7/8"      52 x 74 mm
    "A9":  {105, 147},   //  1 1/2" x 2"          37 x 52 mm
    "A10": {74, 105},    //      1" x 1 1/2"      26 x 37 mm

    // ISO 216:1975 B
    "B0+": {3170, 4479}, //     44" x 62 1/4"  1118 x 1580 mm
    "B0":  {2835, 4008}, // 39 3/8" x 55 3/4"  1000 x 1414 mm
    "B1+": {2041, 2892}, // 28 3/8" x 40 1/8"   720 x 1020 mm
    "B1":  {2004, 2835}, // 27 3/4" x 39 3/8"   707 x 1000 mm
    "B2+": {1474, 2041}, // 20 1/2" x 28 3/8"   520 x 720 mm
    "B2":  {1417, 2004}, // 19 3/4" x 27 3/4"   500 x 707 mm
    "B3":  {1001, 1417}, // 13 7/8" x 19 3/4"   353 x 500 mm
    "B4":  {709, 1001},  //  9 7/8" x 13 7/8"   250 x 353 mm
    "B5":  {499, 709},   //      7" x 9 7/8"    176 x 250 mm
    "B6":  {354, 499},   //  4 7/8" x 7"        125 x 176 mm
    "B7":  {249, 354},   //  3 1/2" x 4 7/8"     88 x 125 mm
    "B8":  {176, 249},   //  2 1/2" x 3 1/2"     62 x 88 mm
    "B9":  {125, 176},   //  1 3/4" x 2 1/2"     44 x 62 mm
    "B10": {88, 125},    //  1 1/4" x 1 3/4"     31 x 44 mm

    // ISO 269:1985 envelopes aka ISO C
    "C0":  {2599, 3677}, //     36" x 51"      917 x 1297 mm
    "C1":  {1837, 2599}, // 25 1/2" x 36"      648 x 917 mm
    "C2":  {1298, 1837}, //     18" x 25 1/2"  458 x 648 mm
    "C3":  {918, 1298},  // 12 3/4" x 18"      324 x 458 mm
    "C4":  {649, 918},   //      9" x 12 3/4"  229 x 324 mm
    "C5":  {459, 649},   //  6 3/8" x 9"       162 x 229 mm
    "C6":  {323, 459},   //  4 1/2" x 6 3/8"   114 x 162 mm
    "C7":  {230, 323},   // 3 3/16" x 4 1/2"    81 x 114 mm
    "C8":  {162, 230},   //  2 1/4" x 3 3/16    57 x 81 mm
    "C9":  {113, 162},   //  1 5/8" x 2 1/4"    40 x 57 mm
    "C10": {79, 113},    //  1 1/8" x 1 5/8"    28 x 40 mm

    // ISO 217:2013 untrimmed raw paper
    "RA0": {2438, 3458}, // 33.9" x 48.0"      860 x 1220 mm
    "RA1": {1729, 2438}, // 24.0" x 33.9"      610 x 860 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},   //  8.5" x 12.0"      215 x 305 mm

    "SRA0": {2551, 3628}, // 35.4" x 50.4"     900 x 1280 mm
    "SRA1": {1814, 2551}, // 25.2" x 35.4"     640 x 900 mm
    "SRA2": {1276, 1814}, // 17.7" x 25.2"     450 x 640 mm
    "SRA3": {907, 1276},  // 12.6" x 17.7"     320 x 450 mm
    "SRA4": {638, 907},   //  8.9" x 12.6"     225 x 320 mm

    "SRA1+":  {2835, 4008}, // 26.0" x 36.2"   660 x 920 mm
    "SRA2+":  {1361, 1843}, // 18.9" x 25.6"   480 x 650 mm
    "SRA3+":  {907, 1304},  // 12.6" x 18.1"   320 x 460 mm
    "SRA3++": {2835, 4008}, // 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"       ANSIB, DobleCarta
    "ExtraTabloid": {865, 1296}, //    12" x 18"       ARCH0, Arch2
    "Ledger":       {1225, 791}, //    17" x 11"       ANSIB
    "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"       ANSIA
    "Carta":          {612, 791},
    "AmericanQuarto": {612, 791},

    "DobleCarta": {791, 1225}, // 11" x 17"        Tabloid, ANSIB

    "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": {360, 576}, // 5" x 8"
    "IndexCard":   {360, 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, DobleCarta
    "ANSIC": {1225, 1585}, //    17" x 22"
    "ANSID": {1585, 2449}, //    22" x 34"
    "ANSIE": {2449, 3170}, //    34" x 44"
    "ANSIF": {2416, 2880}, //    28" x 40"

    // ANSI/ASME Y14.1 Architectural series
    "ARCHA":  {649, 865},   //  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 6
    "ARCHE1": {2160, 3025}, // 30" x 42"    Arch 5
    "ARCHE2": {1871, 2736}, // 26" x 38"
    "ARCHE3": {1945, 2809}, // 27" x 39"
```

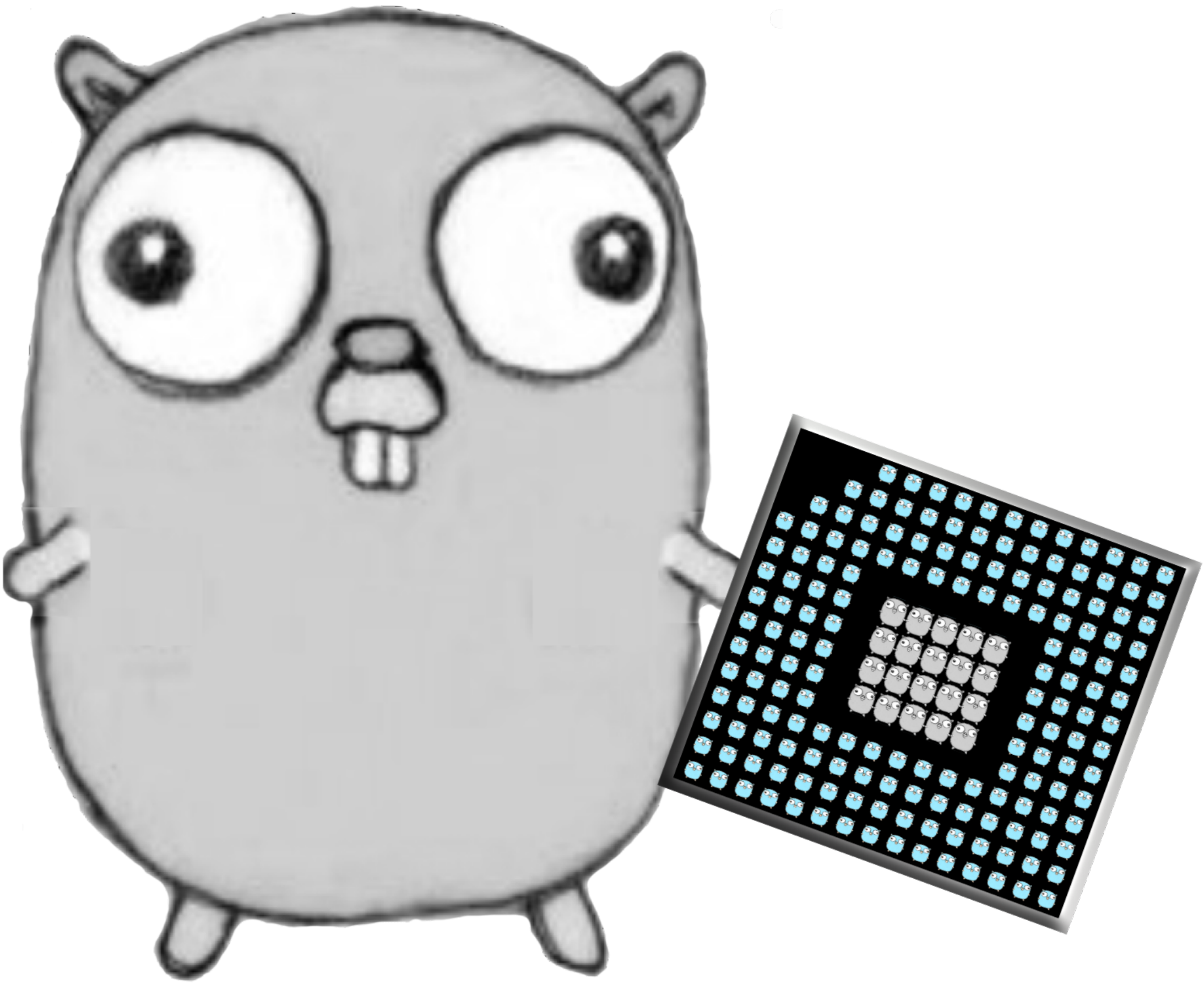

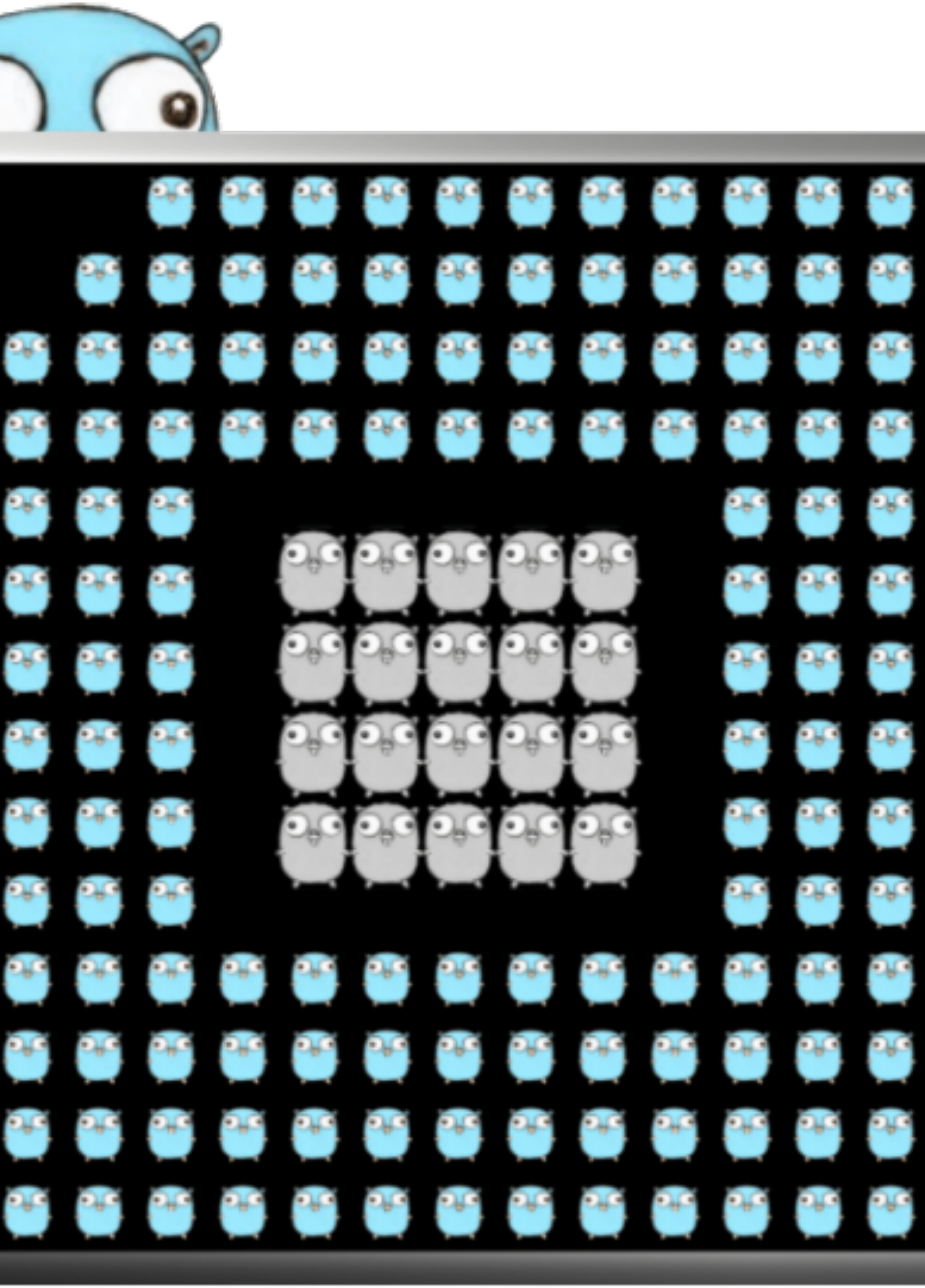

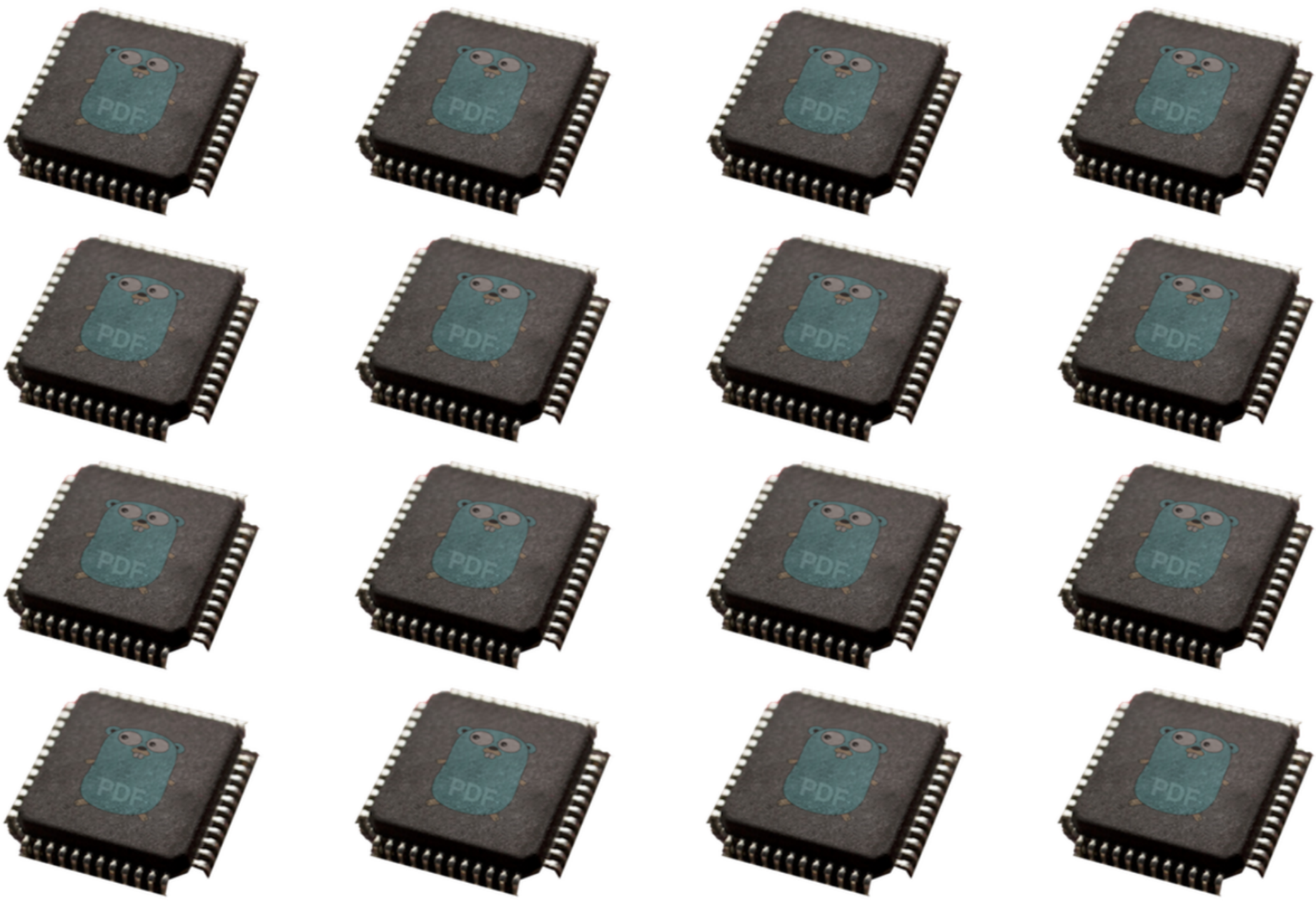
PDF

```
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

F♯m A Esus4 F♯m F♯m A Esus4 F♯m

F♯m A Esus4 F♯m 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,—

F♯m A Esus4 F♯m

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

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 F♯m

F♯m A Esus4 Bm

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

F♯m A Esus4 Bm

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

F♯m A Esus4 Bm

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

F♯m A Esus4 Bm

And all.—

D E F♯m

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

D E F♯m

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

D E A /G♯ F♯m

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

Bm

{ be - cause I said }

D F♯m A F♯m

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

D F♯m A F♯m D F♯m

saves me.— and af - ter all

Chapter 8, Interactive Features

8.2, Document-Level Navigation

Page 585

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

KEY	SUBTYPE	DESCRIPTION
Count	integer	(Required) Total number of visible outline items at all levels of the outline. The value can not 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
Count	integer	(Required if the item has any descendents) If the outline item is open, **Count** 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 **Count** to zero. Step 2. Add to **Count** the number of immediate children. During repetitions of this step, update only the **Count** of the original outline item. Step 3. For each of those immediate children whose **Count** is positive and non-zero, repeat steps 2 and 3. If the outline item is closed, **Count** 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 607

In Table 8.15, "Entries common to all annotation dictionaries," the description for the **Border** *entry contains a note. Replace that note with the following note:*

Note: In PDF 1.2 or later, the dictionaries 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 includes the **BS** entry, then the **Border** entry is ignored; see implementation note 8.2 in Appendix H.

Page 612

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

AA* = *Matrix* × *A

Page 622

In Table 8.24, "Additional entries specific to a link annotation," add the following entry:

KEY	SUBTYPE	DESCRIPTION
BS	dictionary	(Optional; PDF 1.6) 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 **AP** entry, if present, takes precedence over the **BS** entry; see Table 8.15 on page 606 and Section 8.4.4, "Appearance Streams"

Page 624 and 625

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 **LE** *type has changed.*

KEY	TYPE	VALUE
CL	array	(Optional; meaningful only if **IT** is **FreeTextCallout**; PDF 1.6) 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, knee 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.
IT	name	(Optional; PDF 1.6) A name describing the intent of the free text annotation (see also the **IT** entry in Table 8.21). The following values shall be valid: • **FreeText**, which means the annotation is intended to function as a plain free-text annotation. A plain free-text annotation is also known as a text box comment. • **FreeTextCallout**, 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 **CL**. See the implementation note on page 17. • **FreeTextTypewriter**, which means that the annotation is intended to function as a click-to-type or typewriter object and no callout line is drawn. Default value: **FreeText**.

KEY	TYPE	VALUE
LE	name	(Optional; meaningful only if **CL** is present; PDF 1.6) A name specifying the line ending style that shall be used in drawing the callout line specified in **CL**. 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: **None**.
BS	dictionary	(Optional; PDF 1.6) 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 **AP** entry, if present, takes precedence over the **BS** entry; see Table 8.15 on page 606 and Section 8.4.4, "Appearance Streams."

Page 641

In Table 8.39, "Additional entries specific to a widget annotation," add the following entry:

KEY	SUBTYPE	DESCRIPTION
Parent	dictionary	(Required if this widget annotation is one 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; that is, it can be included in the **Kids** array of at most one field.

8.6, Interactive Forms

Page 677

Add the following paragraph before the third paragraph on this page. That paragraph begins with the phrase "Thus, all fields descended 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 696

Replace the last sentence in the second paragraph with the following sentences. The sentence to replace begins with "Signature fields…"

Signature fields 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 **F** entry is true. The **F** entry is described in Table 8.15, and annotation flags are described in Table 8.16.

Page 698

In Table 8.83, "Entries in a signature field's value dictionary," replace the Value descriptions for the entries shown in the following table.

KEY	TYPE	VALUE
Reasons	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. • If the **Reasons** array is provided and the **Ff** entry indicates that **Reasons** 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 **Ff** entry indicates **Reasons** is an optional constraint, one of the reasons in the array may be chosen or a custom reason can be provided. • If the **Reasons** array is omitted or contains a single entry with the value period (".") and the **Ff** entry indicates that **Reasons** is a required constraint, the **Reason** entry shall be omitted from the signature dictionary (see Table 8.102).
MDP	dictionary	(Optional; PDF 1.6) A dictionary containing a single entry whose key is **P** 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 8.7.5, "Digital Signatures"). The values 1 through 3 shall be used for certification signatures (previously called author signatures) and correspond to the value of **P** in a **DocMDP** transform parameters dictionary (see Table 8.104). If this entry is not present or does not contain a **P** entry, no rules shall be defined regarding the type of signature or its permissions.

Page 699

In Table 8.83, "Entries in a signature field's value dictionary," the description for the **Ff** *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* **UR3** *entry should be used in its place. The* **UR** *and* **UR3** *entries refer to a* **UR** *transform parameter dictionary. The* **UR** *transform method itself and its attendant parameter dictionary is 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* **UR3** *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 725

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 mention 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 detection shall be specified by a signature reference dictionary. The **TransformMethod** entry shall specify the general method for modification detection, and the **TransformParams** entry shall specify the variable portions of the method.

Page 726

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 730

In Table 8.103, "Entries in a signature reference dictionary," add the following sentence 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 17 of this errata.)

In Table 8.103, "Entries in a signature reference dictionary" append the following sentence to the **TransformMethod** *value* **Identity**.

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

Page 731

Replace the second sentence in the last paragraph on the page with the following sentences. The sentence to replace begins with "Such signatures enable detection…"

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

Page 732

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

A certification signature should have a legal attestation dictionary (see Section 8.7.4, "Legal Content Attestations") 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.

Replace the section title "Validating MDP Signatures" with the following title:

Validating signatures that use the DocMDP transform method

Replace the first sentence in the section titled "Validating MDP signatures" with the following sentence:

To validate a signature that uses the DocMDP transform method, an application shall first verify the byte range digest. Next, it shall verify that any modifications that have been made to the document are permitted by the transform parameters.

Add the following sentence at the end of the first bullet. That bullet begins with "PDF 1.5 required the calculated value…"

This validation method is deprecated and should not be used.

Page 733

At the beginning of the section titled UR, add the following note after the first sentence:

Note: The use of a **UR** entry in a permissions dictionary is deprecated. Usage rights should be specified only with a **UR3** entry.

Page 735

In the **Form** *entry in Table 8.105, "Entries in the UR transform parameters dictionary," add the following names to the list of valid names defined in PDF 1.5:*

Add	Permits the user to add form fields to the document.
Delete	Permits the user to delete form fields from the document.

Add the following sentence to the Value description for the **FormEx** *entry in Table 8.105, "Entries in the UR transform parameters dictionary":*

This entry is deprecated and should not be used.

Page 737

Replace the first bullet on this page with the following:

- The author specifies that form fields can be filled in without invalidating the approval or certification signature.

Add the following sentence to the description for the ***Identity*** *transform method:*

This transform method is deprecated and should not be used.

Page 741

Add the following sentence to the Value description for the **UR** *entry in Table 8.107, "Entries in a permissions dictionary":*

Using the **UR** entry to specify the signature dictionary is deprecated and should not be used; the **UR3** entry should be used instead.

Page 742

In the second and third paragraphs on this page, change the term author signatures to certification signatures.

Chapter 10, Document Interchange

Section 10.7, Tagged PDF

Page 907

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 areas 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 bounds 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 970

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 standard 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 971.

The following output intent subtypes are defined:

- GTS_PDFX corresponds to the PDF/X format standard as specified in ISO 15930 (see the Bibliography).
- GTS_PDFA1 corresponding to the PDF/A format standard as defined by ISO 19005 (see the Bibliography)
- ISO_PDFE1 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 971

In Table 10.51, "Entries in a PDF/X output intent dictionary," replace the description for the **S** *entry shown in the following table.*

KEY	SUBTYPE	DESCRIPTION
S	name	(Required) The output intent subtype. Supported values shall be **GTS_PDFX**, **GTS_PDFA1** or **ISO_PDFE1**.

Appendix C, Implementation Limits

Page 991

Append the following sentence to the paragraph that appears after the bullets 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 1114

After the section titled 8.4.5, "Annotation Types" (Link 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 **IT** entry has a value of **FreeTextCallout** and whose **CL** entry is omitted.

Page 1121

Add the following implementation note, after implementation note 140:

140a. 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 1131

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 algorithm is known to contain significant errors.

Bibliography

Page 1152

Replace the document info OpenType Font Specification *with* OpenType Specification v 1.4.

Page 1154

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

Ecma International, Standard ECMA-363, *Universal 3D File Format*, 1st Edition. This document is available at www.ecma-international.org.

Add the following entry:

ANSI X3.4-1986, *Information Systems — Coded Character Sets 7-Bit American National Standard Code for Information Interchange (7-Bit ASCII)*

Page 1156

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/PRF 24517-1, *Document management — Engineering document format using PDF — Part 1: Use of PDF 1.6 (PDF/E-1)*

PDF

WALDEN

BY
HENRY DAVID THOREAU

Set margins and round colored border:
(needs "bgcol")
round corner effect depends on border width
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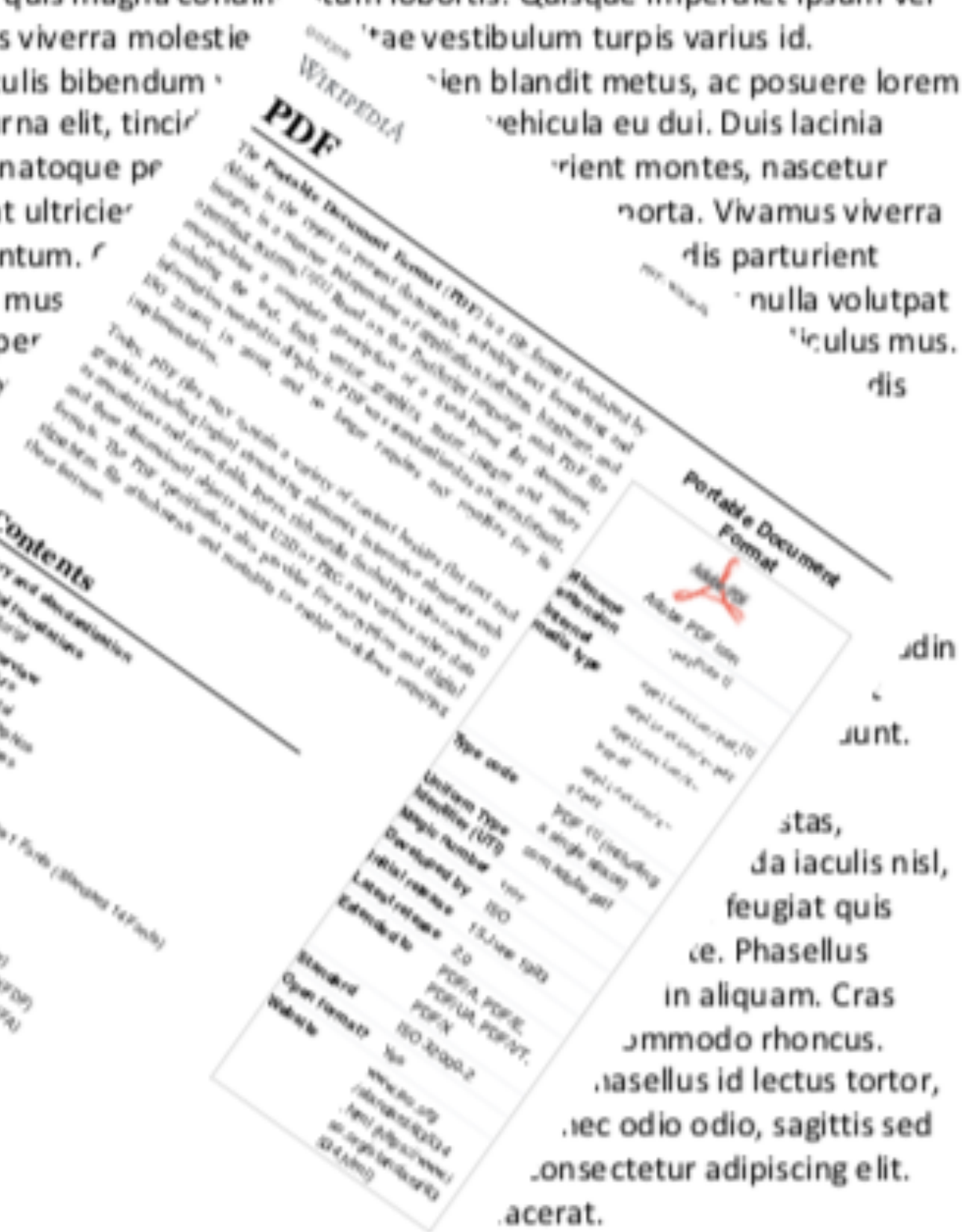

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_scripts	stamping	6 days ago
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lzw	wip	15 days ago
pkg	fix stream	3 days ago
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tiff	wip	15 days ago
.gitignore	cleanup	9 months ago
.travis.yml	watermar	2 months ago
LICENSE.txt	waterma	2 months ago
README.md	v0.1.18 fix	6 days ago
coverage.sh	all types	2 months ago

README.md

pdfcpu: a golang pd

build passing | godoc reference | coverage

Package pdfcpu is a simple PDF proc ... It provides both an API and a CLI.
Supported are all versions up to PDF ...

Status

Version: 0.1.18

- Extended API to support webser ...
- Support for watermarking/stamp ...
- Extended logging into horizontal (Info, 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`

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I don't be - lieve_ that an - y - bo - dy feels the way I do__ a - bout you now._

Dmaj7 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.__

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

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pdfcpu: a pdf processor written in Go

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