The `ocr` package

LaTeX support for the OCR fonts (Optical Chatacter Recognition fonts)

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1 Introduction

The `ocr` package provides support for the OCR fonts. The OCR fonts are already installed on many systems, this is only support for using the OCR fonts with LaTeX.

The license of the ocr pcakage and the related files is GNU General Public License.

2 Using the ocr package

2.1 Package options

The `ocr` package has the following options

Option:	Effect:	Example	Comments:
`ocr-a`	Selects the OCR font to be OCR-A		
`ocr-b`	Selects the OCR font to be OCR-B	123	Default
`ocr-b-outline`	Selects the OCR font to be an outline of OCR-B	123	
`ocr-b-negative`	Selects the OCR font to be a negative OCR-B	123	
`ocr-b-sharp`	Selects the OCR font to be a "sharp" OCR-B	123	The sharp fonts are not constructed properly. Use with care
`ocr-b-sharp-negative`	Selects the OCR font to be a negative "sharp" OCR-B	123	The sharp fonts are not constructed properly. Use with care

2.2 Commands

If you want some text typeset with the selected OCR font for a short text you can use the command `\ocr`; ie. `\ocr{cheese}`.

It is possible to use the command `\ocrfamily` but this command also changes the current fontencoding; use with caution...

2.2.1 Negative fonts

If you have selectec the option `ocr-b` or `ocr-b-sharp` it is possible to use the command `\ocrneg` which typsesets the text with the "negative" of the selected OCR font.

3 Source of the files in the OCR bundle

3.1 ocr.sty

```
\ProvidesPackage{ocr}[2006/09/18 LaTeX support for the
    various OCR
fonts. Created by Palle Jorgensen, hamselv@pallej.dk]

\RequirePackage{ifthen}

\def\ocrdefault{ocrb}
\DeclareOption{ocr-a}{\def\ocrdefault{ocra}}
\DeclareOption{oca}{\def\ocrdefault{oca}%
  \PackageWarning{ocr}{The OCA fonts are buggy. Use the '
      ocr-a' option
  to get proper OCR-A fonts.^^J}}
\DeclareOption{ocr-b}{\def\ocrdefault{ocrb}}
\DeclareOption{ocr-b-outline}{\def\ocrdefault{ocrbo}}
\DeclareOption{ocr-b-negative}{\def\ocrdefault{ocrbn}}
\DeclareOption{ocr-b-sharp}{\def\ocrdefault{ocrbs}%
  \PackageWarning{ocr}{The sharp OCR-B fonts are buggy.
      Use with care.^^J}}
\DeclareOption{ocr-b-sharp-negative}{\def\ocrdefault{
    ocrbns}%
  \PackageWarning{ocr}{The sharp OCR-B fonts are buggy.
      Use with care.^^J}}
\ProcessOptions*

\def\ocrfamily{\fontencoding{OT1}\fontfamily{\ocrdefault
    }\selectfont}
\DeclareTextFontCommand{\ocr}{\ocrfamily}

\def\ocrnegfamily{%
  \ifthenelse{\equal{\ocrdefault}{ocrb}}{}{%
    \PackageWarning{ocr}{%
      Using the 'negative OCR-B' fonts without using the\
          MessageBreak
      OCR-B fonts may give a funny result.^^J}}
  \fontencoding{OT1}\fontfamily{ocrbn}\selectfont}

\def\ocrs@negfamily{%
  \ifthenelse{\equal{\ocrdefault}{ocrbs}}{}{
    \PackageWarning{ocr}{%
      Using the 'negative OCR-B Sharp' fonts without
          using the\MessageBreak
      OCR-B Sharp fonts may give a funny result.^^J}}
```

```
    \fontencoding{OT1}\fontfamily{ocrbns}\selectfont}

\ifthenelse{\equal{\ocrdefault}{ocrbs}}{%
  \def\ocrnegfamily{\ocrs@negfamily}}{}

\DeclareTextFontCommand{\ocrneg}{\ocrnegfamily}

\endinput
```

3.2 ot1oca.fd

```
\ProvidesFile{ot1oca.fd}[2006/09/18 Font definitions for
   the OCA fonts. Look in ocr.sty for further information
   .]

\DeclareFontFamily{OT1}{oca}{}
\DeclareFontShape{OT1}{oca}{m}{n}{%
  <5><6><7><8><9><10><10.95>ocra10%
  <12><14.4>ocra12%
  <17.28><20.74><24.88>ocra17}{}

\DeclareFontShape{OT1}{oca}{m}{it}{<->ssub * oca/m/n}{}
\DeclareFontShape{OT1}{oca}{m}{sl}{<->ssub * oca/m/n}{}
\DeclareFontShape{OT1}{oca}{m}{sc}{<->ssub * oca/m/n}{}
\DeclareFontShape{OT1}{oca}{b}{n}{<->ssub * oca/m/n}{}
\DeclareFontShape{OT1}{oca}{b}{it}{<->ssub * oca/m/it}{}
\DeclareFontShape{OT1}{oca}{b}{sl}{<->ssub * oca/m/sl}{}
\DeclareFontShape{OT1}{oca}{b}{sc}{<->ssub * oca/m/sc}{}
\DeclareFontShape{OT1}{oca}{bx}{n}{<->ssub * oca/b/n}{}
\DeclareFontShape{OT1}{oca}{bx}{it}{<->ssub * oca/b/it}{}
\DeclareFontShape{OT1}{oca}{bx}{sl}{<->ssub * oca/b/sl}{}
\DeclareFontShape{OT1}{oca}{bx}{sc}{<->ssub * oca/b/sc}{}
\endinput
```

3.3 ot1ocra.fd

```
\ProvidesFile{ot1ocra.fd}[2006/09/18 Font definitions for
    the OCR-A fonts.  Look in ocr.sty for further
   information.]

\DeclareFontFamily{OT1}{ocra}{}
\DeclareFontShape{OT1}{ocra}{m}{n}{%
  <5><6><7><8><9><10><10.95>ocr10%
  <12><14.4>ocr12%
  <16><17.28><20.74><24.88>ocr16}{}
```

```
\DeclareFontShape{OT1}{ocra}{m} {it}{<->ssub * ocra/m/n
    }{}
\DeclareFontShape{OT1}{ocra}{m} {sl}{<->ssub * ocra/m/n
    }{}
\DeclareFontShape{OT1}{ocra}{m} {sc}{<->ssub * ocra/m/n
    }{}
\DeclareFontShape{OT1}{ocra}{b} {n} {<->ssub * ocra/m/n
    }{}
\DeclareFontShape{OT1}{ocra}{b} {it}{<->ssub * ocra/m/it
    }{}
\DeclareFontShape{OT1}{ocra}{b} {sl}{<->ssub * ocra/m/sl
    }{}
\DeclareFontShape{OT1}{ocra}{b} {sc}{<->ssub * ocra/m/sc
    }{}
\DeclareFontShape{OT1}{ocra}{bx}{n} {<->ssub * ocra/b/n
    }{}
\DeclareFontShape{OT1}{ocra}{bx}{it}{<->ssub * ocra/b/it
    }{}
\DeclareFontShape{OT1}{ocra}{bx}{sl}{<->ssub * ocra/b/sl
    }{}
\DeclareFontShape{OT1}{ocra}{bx}{sc}{<->ssub * ocra/b/sc
    }{}
\endinput
```

3.4 ot1ocrb.fd

```
\ProvidesFile{ot1ocrb.fd}[2006/09/18 Font definitions for
    the OCR-B fonts.  Look in ocr.sty for further
   information.]

\DeclareFontFamily{OT1}{ocrb}{}
\DeclareFontShape{OT1}{ocrb}{m}{n}{%
  <5>ocrb5%
  <6>ocrb6%
  <7>ocrb7%
  <8>ocrb8%
  <9>ocrb9%
  <10><10.95><12><14.4><17.28><20.74><24.88>ocrb10}{}

\DeclareFontShape{OT1}{ocrb}{m}{sl}{%
  <5><6><7><8><9><10><10.95><12><14.4><17.28><20.74><24.88>
     ocrb10l}{}

\DeclareFontShape{OT1}{ocrb}{m} {it}{<->ssub * ocrb/m/sl
    }{}
\DeclareFontShape{OT1}{ocrb}{m} {sc}{<->ssub * ocrb/m/n
```

```
    }{}
\DeclareFontShape{OT1}{ocrb}{b} {n} {<->ssub * ocrb/m/n
    }{}
\DeclareFontShape{OT1}{ocrb}{b} {sc}{<->ssub * ocrb/m/n
    }{}
\DeclareFontShape{OT1}{ocrb}{b} {sl}{<->ssub * ocrb/m/sl
    }{}
\DeclareFontShape{OT1}{ocrb}{b} {it}{<->ssub * ocrb/m/it
    }{}
\DeclareFontShape{OT1}{ocrb}{bx}{n} {<->ssub * ocrb/b/n
    }{}
\DeclareFontShape{OT1}{ocrb}{bx}{sc}{<->ssub * ocrb/b/sc
    }{}
\DeclareFontShape{OT1}{ocrb}{bx}{sl}{<->ssub * ocrb/b/sl
    }{}
\DeclareFontShape{OT1}{ocrb}{bx}{it}{<->ssub * ocrb/b/it
    }{}
\endinput
```

3.5 ot1ocrbn.fd

```
\ProvidesFile{ot1ocrb.fd}[2006/09/18 Font definitions for
    the OCR-B negative font.  Look in ocr.sty for further
    information.]

\DeclareFontFamily{OT1}{ocrbn}{}
\DeclareFontShape{OT1}{ocrbn}{m}{n}{%
  <5><6><7><8><9><10><10.95><12><14.4><17.28><20.74><24.88>
     ocrb10x}{}

\DeclareFontShape{OT1}{ocrbn}{m} {it}{<->ssub * ocrbn/m/n
    }{}
\DeclareFontShape{OT1}{ocrbn}{m} {sl}{<->ssub * ocrbn/m/n
    }{}
\DeclareFontShape{OT1}{ocrbn}{m} {sc}{<->ssub * ocrbn/m/n
    }{}
\DeclareFontShape{OT1}{ocrbn}{b} {n} {<->ssub * ocrbn/m/n
    }{}
\DeclareFontShape{OT1}{ocrbn}{b} {sc}{<->ssub * ocrbn/m/n
    }{}
\DeclareFontShape{OT1}{ocrbn}{b} {sl}{<->ssub * ocrbn/m/
    sl}{}
\DeclareFontShape{OT1}{ocrbn}{b} {it}{<->ssub * ocrbn/m/
    it}{}
\DeclareFontShape{OT1}{ocrbn}{bx}{n} {<->ssub * ocrbn/b/n
    }{}
```

```
\DeclareFontShape{OT1}{ocrbn}{bx}{sc}{<->ssub * ocrbn/b/
   sc}{}
\DeclareFontShape{OT1}{ocrbn}{bx}{sl}{<->ssub * ocrbn/b/
   sl}{}
\DeclareFontShape{OT1}{ocrbn}{bx}{it}{<->ssub * ocrbn/b/
   it}{}
\endinput
```

3.6 ot1ocrbns.fd

```
\ProvidesFile{ot1ocrb.fd}[2006/09/18 Font definitions for
    the OCR-B negative font with sharp corners.  Look in
   ocr.sty for further information.]

\DeclareFontFamily{OT1}{ocrbns}{}
\DeclareFontShape{OT1}{ocrbns}{m}{n}{%
  <5><6><7><8><9><10><10.95><12><14.4><17.28><20.74><24.88>
     ocrb10e}{}

\DeclareFontShape{OT1}{ocrbns}{m} {it}{<->ssub * ocrbns/m
   /n}{}
\DeclareFontShape{OT1}{ocrbns}{m} {sl}{<->ssub * ocrbns/m
   /n}{}
\DeclareFontShape{OT1}{ocrbns}{m} {sc}{<->ssub * ocrbns/m
   /n}{}
\DeclareFontShape{OT1}{ocrbns}{b} {n} {<->ssub * ocrbns/m
   /n}{}
\DeclareFontShape{OT1}{ocrbns}{b} {sc}{<->ssub * ocrbns/m
   /n}{}
\DeclareFontShape{OT1}{ocrbns}{b} {sl}{<->ssub * ocrbns/m
   /sl}{}
\DeclareFontShape{OT1}{ocrbns}{b} {it}{<->ssub * ocrbns/m
   /it}{}
\DeclareFontShape{OT1}{ocrbns}{bx}{n} {<->ssub * ocrbns/b
   /n}{}
\DeclareFontShape{OT1}{ocrbns}{bx}{sc}{<->ssub * ocrbns/b
   /sc}{}
\DeclareFontShape{OT1}{ocrbns}{bx}{sl}{<->ssub * ocrbns/b
   /sl}{}
\DeclareFontShape{OT1}{ocrbns}{bx}{it}{<->ssub * ocrbns/b
   /it}{}
\endinput
```

3.7 ot1ocrbo.fd

```
\ProvidesFile{ot1ocro.fd}[2006/09/18 Font definitions for
    the OCR-B outline fonts. Look in ocr.sty for further
    information.]

\DeclareFontFamily{OT1}{ocrbo}{}
\DeclareFontShape{OT1}{ocrbo}{m}{n}{%
  <5><6><7><8><9><10><10.95><12><14.4><17.28><20.74><24.88>
     ocrb10f}{}

\DeclareFontShape{OT1}{ocrbo}{m}{sl}{%
  <5><6><7><8><9><10><10.95><12><14.4><17.28><20.74><24.88>
     ocrb10g}{}

\DeclareFontShape{OT1}{ocrbo}{m} {it}{<->ssub * ocrbo/m/
   sl}{}
\DeclareFontShape{OT1}{ocrbo}{m} {sc}{<->ssub * ocrbo/m/n
   }{}
\DeclareFontShape{OT1}{ocrbo}{b} {n} {<->ssub * ocrbo/m/n
   }{}
\DeclareFontShape{OT1}{ocrbo}{b} {sc}{<->ssub * ocrbo/m/n
   }{}
\DeclareFontShape{OT1}{ocrbo}{b} {sl}{<->ssub * ocrbo/m/
   sl}{}
\DeclareFontShape{OT1}{ocrbo}{b} {it}{<->ssub * ocrbo/m/
   it}{}
\DeclareFontShape{OT1}{ocrbo}{bx}{n} {<->ssub * ocrbo/b/n
   }{}
\DeclareFontShape{OT1}{ocrbo}{bx}{sc}{<->ssub * ocrbo/b/
   sc}{}
\DeclareFontShape{OT1}{ocrbo}{bx}{sl}{<->ssub * ocrbo/b/
   sl}{}
\DeclareFontShape{OT1}{ocrbo}{bx}{it}{<->ssub * ocrbo/b/
   it}{}
\endinput
```

3.8 ot1ocrbs.fd

```
\ProvidesFile{ot1ocrbs.fd}[2006/09/18 Font definitions
   for the OCR-B font with sharps corners. Look in ocr.
   sty for further information.]

\DeclareFontFamily{OT1}{ocrbs}{}
\DeclareFontShape{OT1}{ocrbs}{m}{n}{%
  <5><6><7><8><9><10><10.95><12><14.4><17.28><20.74><24.88>
```

```
    ocrb10s}{}

\DeclareFontShape{OT1}{ocrbs}{m} {it}{<->ssub * ocrbs/m/n
    }{}
\DeclareFontShape{OT1}{ocrbs}{m} {sl}{<->ssub * ocrbs/m/n
    }{}
\DeclareFontShape{OT1}{ocrbs}{m} {sc}{<->ssub * ocrbs/m/n
    }{}
\DeclareFontShape{OT1}{ocrbs}{b} {n} {<->ssub * ocrbs/m/n
    }{}
\DeclareFontShape{OT1}{ocrbs}{b} {sc}{<->ssub * ocrbs/m/n
    }{}
\DeclareFontShape{OT1}{ocrbs}{b} {sl}{<->ssub * ocrbs/m/
    sl}{}
\DeclareFontShape{OT1}{ocrbs}{b} {it}{<->ssub * ocrbs/m/
    it}{}
\DeclareFontShape{OT1}{ocrbs}{bx}{n} {<->ssub * ocrbs/b/n
    }{}
\DeclareFontShape{OT1}{ocrbs}{bx}{sc}{<->ssub * ocrbs/b/
    sc}{}
\DeclareFontShape{OT1}{ocrbs}{bx}{sl}{<->ssub * ocrbs/b/
    sl}{}
\DeclareFontShape{OT1}{ocrbs}{bx}{it}{<->ssub * ocrbs/b/
    it}{}
\endinput
```