

# Martin Schröder

Colours separation in pdfTeX

```
\newcommand*\AC@addColor}[5]{%
  \immediate\pdfobj stream
  attr {
    /FunctionType 4
    /Domain [0.0 1.0]
    /Range [0.0 1.0 0.0 1.0 0.0 1.0 0.0 1.0]
  }
  { { dup ?2 mul exch
    dup ?3 mul exch
    dup ?4 mul exch
    ?5 mul } }%
  \edef\AC@ColorFunctionObj{\the\pdflastobj}%
  \immediate\pdfobj {[ /Separation /?1
    /DeviceCMYK
    \AC@ColorFunctionObj\space 0 R ]}%

  \begingroup
  \toks@\expandafter{\AC@colorhook}%
  \edef\x{%
    \endgroup
    \gdef\noexpand\AC@colorhook{%
      \the\toks@
      /?1\space\the\pdflastobj\space 0 R %
    }%
  }%
  \x
}
% later
\edef\AC@expand{\global\pdfpageresources {%
  /ColorSpace << \AC@colorhook >>
}%
\AC@expand
```