

PostScript transfer and optional measurement for output linearization

Input-----PostScript L2-----Output-----

Class Ia

~~cmyn\*in~~  
setcmyk

cmy0\*in  
setcmyk

000n\*in  
setcmyk

olv\*in  
setrgb

w\*in  
setgray

all operators  
on one page  
possible

cmy0\*in  
calculate  
with  
l-relation

cmy0\*in  
c = 1-o(r)  
m = 1-l(g)  
y = 1-v(b)  
n = 1-w  
c=m=y=n

cmy0\*ou  
setcmyk

optional  
LAB\*ou  
for PRou  
measure

cmy0\*ou  
for PRou  
calculate

PostScript L2 flowchart for printer driver

Goal:  $\Sigma (cmy0*in - cmy0*ou) = \text{Min.}$

ME340-3, PostScript L2 flowchart for printer driver; CMYK, RGB and GRAY input

Inverse PostScript transfer (\*) for linearized output, optional measurement

Input-----PostScript L2-----Output-----

Class Ia

~~cmyn\*in~~  
setcmyk

cmy0\*in  
setcmyk

000n\*in  
setcmyk

olv\*in  
setrgb

w\*in  
setgray

all operators  
on one page  
possible

cmy0\*in  
calculate  
with  
l-relation

cmy0\*in  
c = 1-o(r)  
m = 1-l(g)  
y = 1-v(b)  
n = 1-w  
c=m=y=n

Device  
PRou  
+ first  
output  
LAB\*ou  
for series  
W-CMY  
W-OLV  
W-N

cmy0\*ou  
setcmyk

optional  
LAB\*ou  
for PRou  
measure

cmy0\*ou  
for PRou  
calculate

all properties included in MTL code

PostScript L2 flowchart for printer driver

Goal:  $\Sigma (cmy0*in - cmy0*ou) = \text{Min.}$  or  $\Sigma (LAB*in - LAB*ou) = \text{Min.}$

ME340-7, PostScript L2 flowchart for printer driver; CMYK, RGB and GRAY input

BAM-test chart no. ME34; colour transfer and workflow  
Connection: input and output referred colour spaces

PostScript transfer and optional measurement for output linearization

Input-----PostScript L2-----Output-----

Class Ia

~~cmyn\*in~~  
setcmyk

cmy0\*in  
setcmyk

000n\*in  
setcmyk

olv\*in  
setrgb

w\*in  
setgray

all operators  
on one page  
possible

olv\*in  
calculate  
with  
l-relation

olv\*in  
o(r) = 1-c  
l(g) = 1-m  
v(b) = 1-y  
w = 1-n  
o=l=v=w

olv\*ou  
setrgb

optional  
LAB\*ou  
for TVou  
measure

olv\*ou  
for TVou  
calculate

PostScript L2 flowchart for monitor driver

Goal:  $\Sigma (olv*in - olv*ou) = \text{Min.}$

ME341-3, PostScript L2 flowchart for monitor driver; CMYK, RGB and GRAY input

Inverse PostScript transfer (\*) for linearized output, optional measurement

Input-----PostScript L2-----Output-----

Class Ia

~~cmyn\*in~~  
setcmyk

cmy0\*in  
setcmyk

000n\*in  
setcmyk

olv\*in  
setrgb

w\*in  
setgray

all operators  
on one page  
possible

olv\*in  
calculate  
with  
l-relation

olv\*in  
o(r) = 1-c  
l(g) = 1-m  
v(b) = 1-y  
w = 1-n  
o=l=v=w

Device  
TVou  
+ first  
output  
LAB\*ou  
for series  
W-CMY  
W-OLV  
W-N

olv\*ou  
setrgb

optional  
LAB\*ou  
for TVou  
measure

olv\*ou  
for TVou  
calculate

all properties included in MTL code

PostScript L2 flowchart for monitor driver

Goal:  $\Sigma (olv*in - olv*ou) = \text{Min.}$  or  $\Sigma (LAB*in - LAB*ou) = \text{Min.}$

ME341-7, PostScript L2 flowchart for monitor driver; CMYK, RGB and GRAY input

input: different  
output: different