

# Problem report for:

**Recursive[CASL,CRSV,MONO,slnt,wght].ttf**

sha1: 935fc86524575994452a8f3f619401a4efe9489e

Family name: Recursive

Version: Version 1.085

## Parameters:

Error tolerance: 0.95

Kink—reporting aggressiveness: 0.5

## Legend:

- ▶ Contour start point and direction
- Contour start point when the first two points overlap
- ▶ Contour start point in contours with wrong direction
- Suggested new contour start point
- Point causing kink in the contour
- Kink artifact
- Colored contours: contours with the wrong order
- Underweight contours

Tolerance: badness; closer to zero the worse

# Summary of problems

## wrong\_start\_point: 4

one  
one.pnum  
perthousand  
uni031B

## kink: 10

Euro  
Oslash  
Oslashacute  
k.italic  
question  
questiondown  
questiondown.case  
qust\_colon.code  
qust\_qust.code  
uni20B5

## underweight: 37

H  
Hbar  
IJ  
K  
M  
Pi  
Thorn  
U  
Uhungarumlaut  
bar  
bar\_equal.code  
bar\_greater.code  
brokenbar  
f\_f\_i  
horncombo  
horncombo.case  
less\_bar.code  
less\_bar\_greater.code  
oslash  
oslashacute  
uni01C4.sans  
uni01CA  
uni01CB  
uni01F1.sans  
uni0214  
uni031B

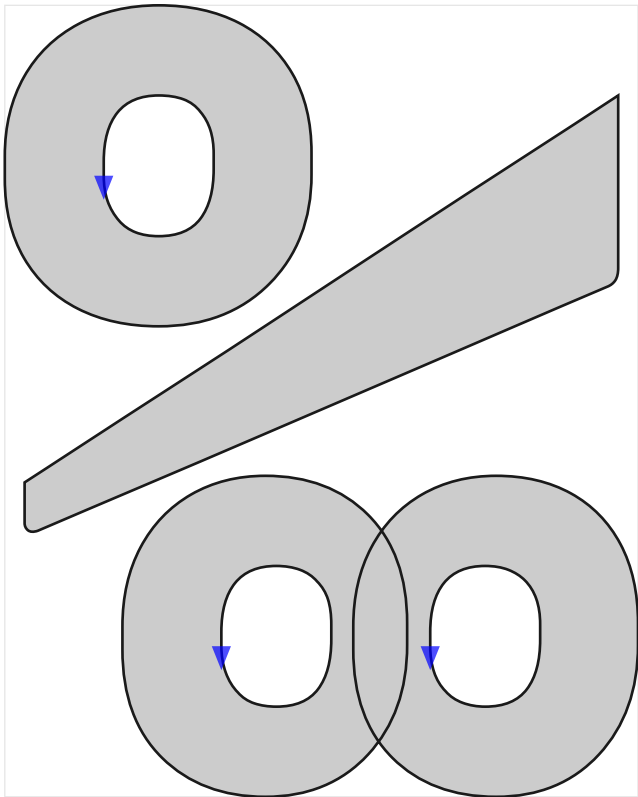
uni031B.case  
uni1E24  
uni1E2A  
uni1E42  
uni1EE2  
uni1EF0  
uni20AD  
uni20BA  
uni2116  
uniFB01  
zero.pnum

Glyph name: perthousand

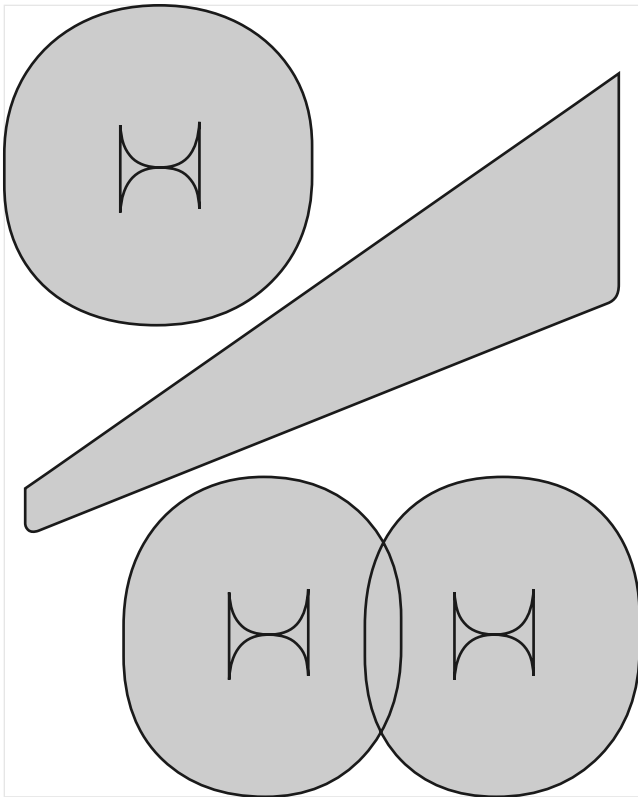
tolerance: 0.69

Problems: wrong\_start\_point

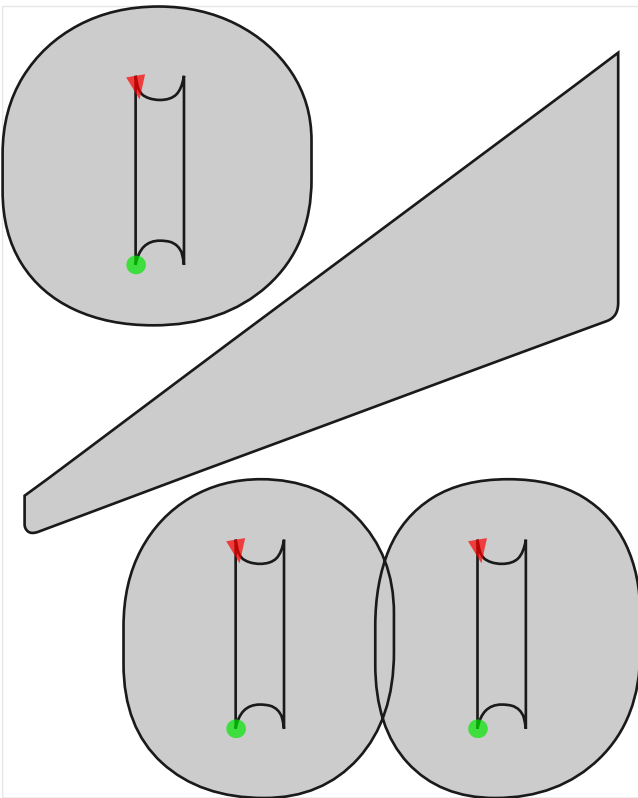
'wght=800.0061'



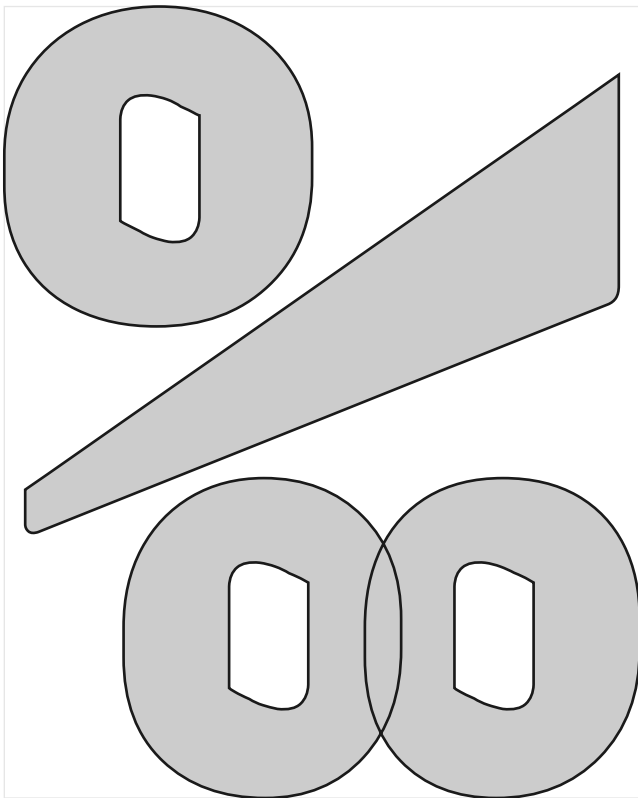
midway interpolation



'wght=1000.0'



proposed fix

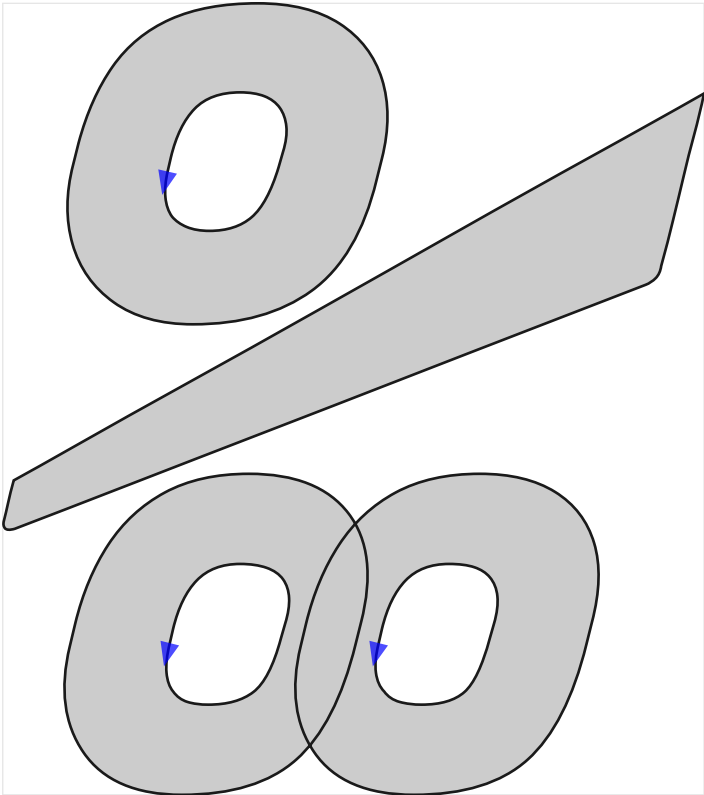


Glyph name: perthousand

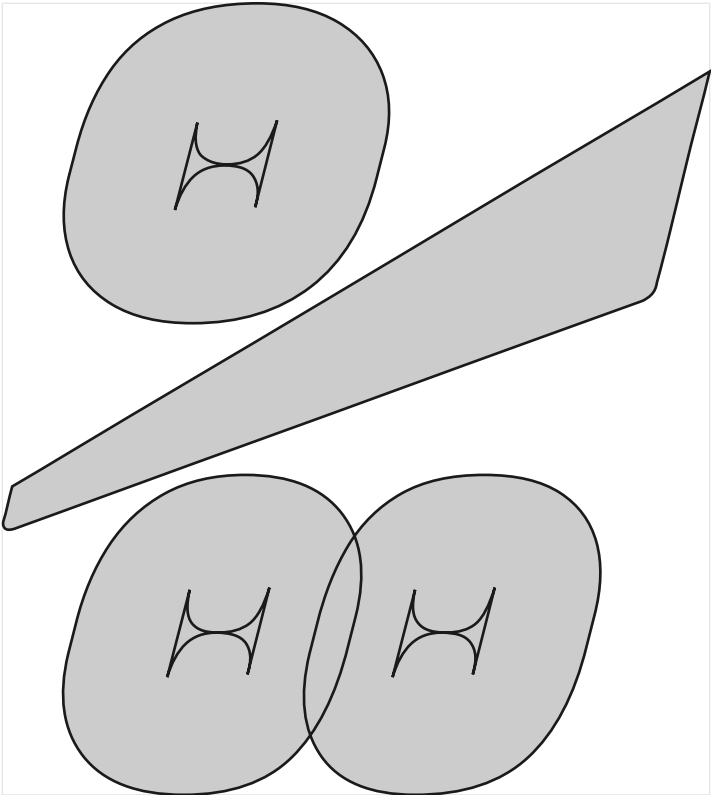
tolerance: 0.69

Problems: wrong\_start\_point

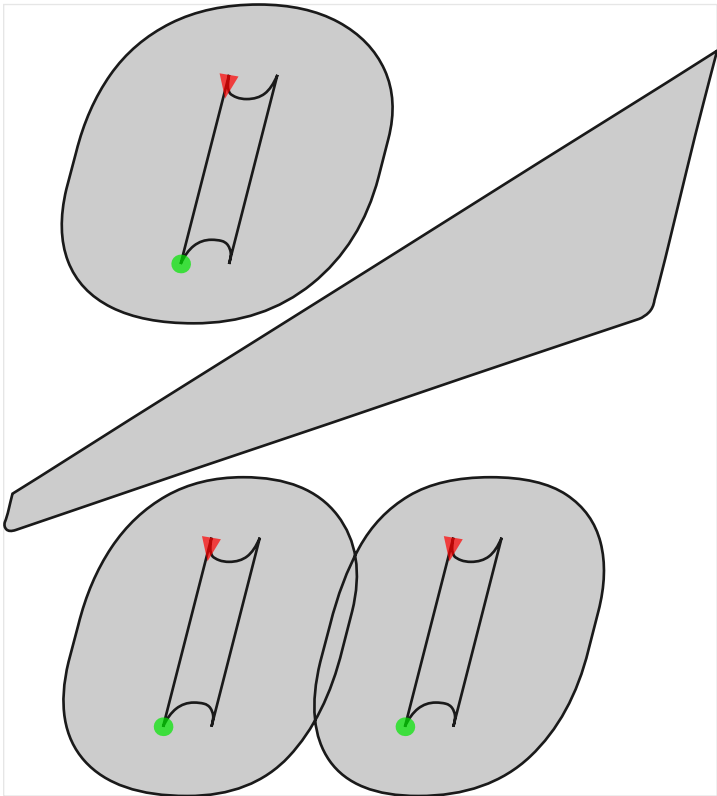
'slnt=-14.0497 wght=800.0061'



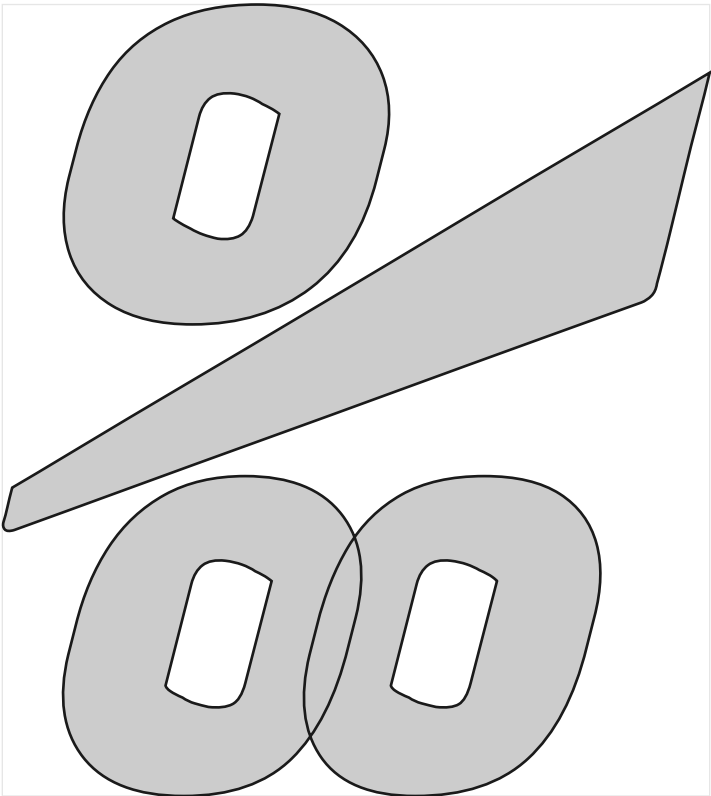
midway interpolation



'slnt=-14.0497 wght=1000.0'

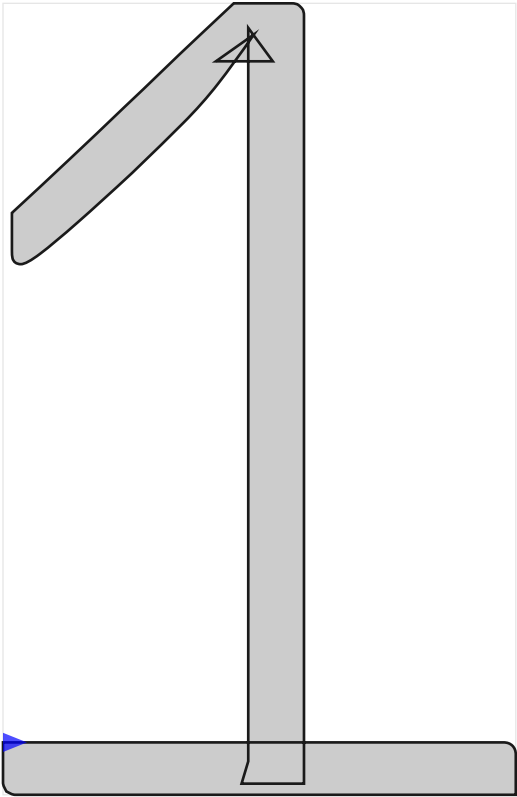


proposed fix

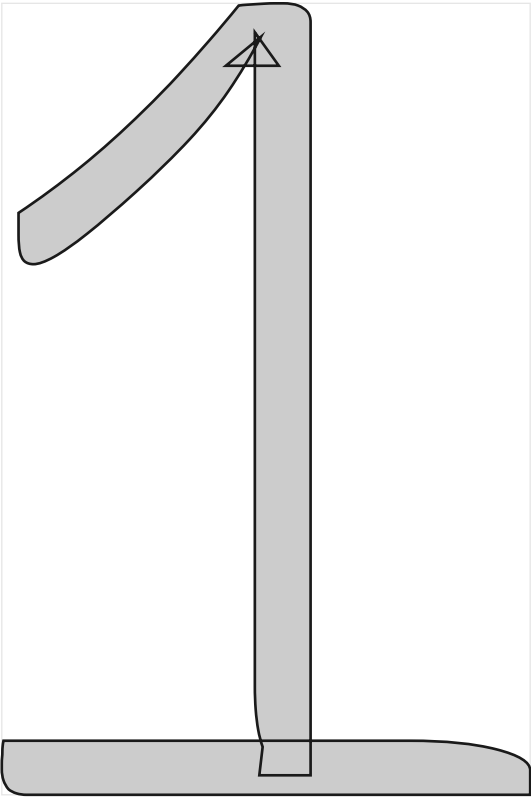


Problems: wrong\_start\_point

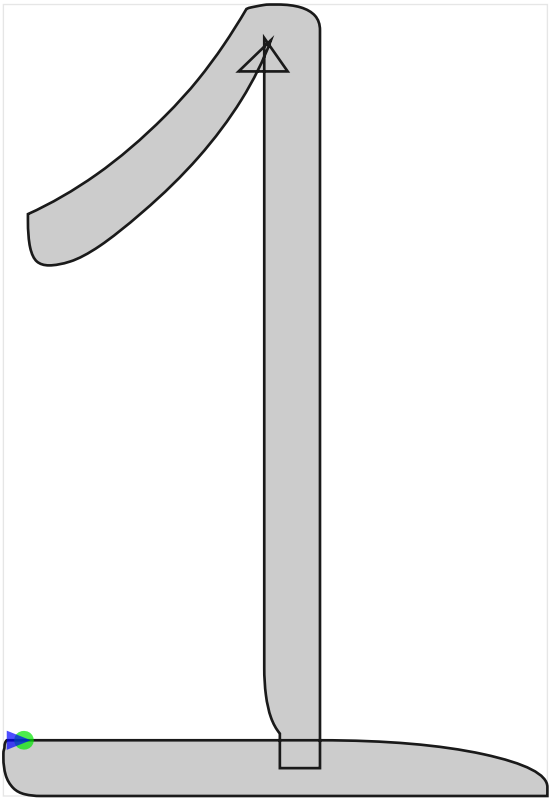
”



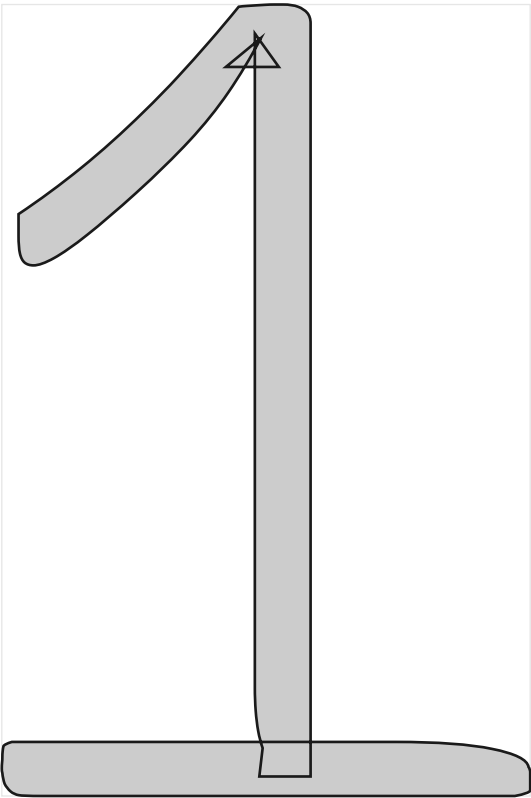
midway interpolation



'CASL=1.0'



proposed fix

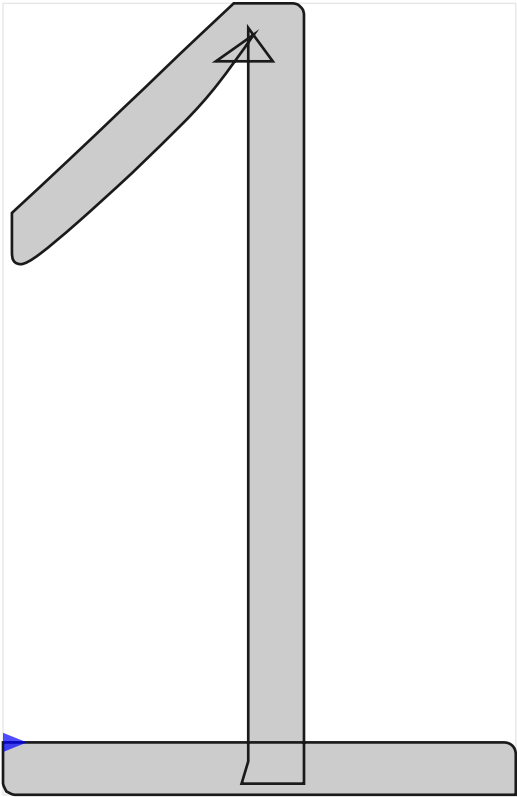


# Glyph name: one.pnum

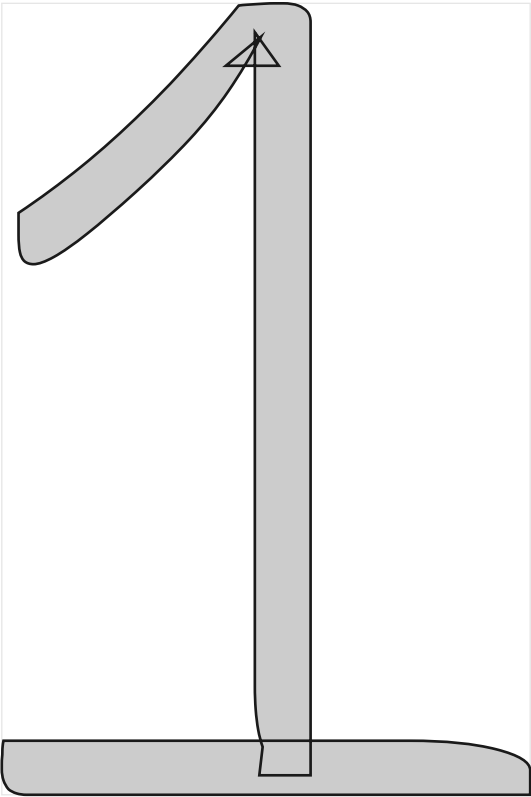
tolerance: 0.75

Problems: wrong\_start\_point

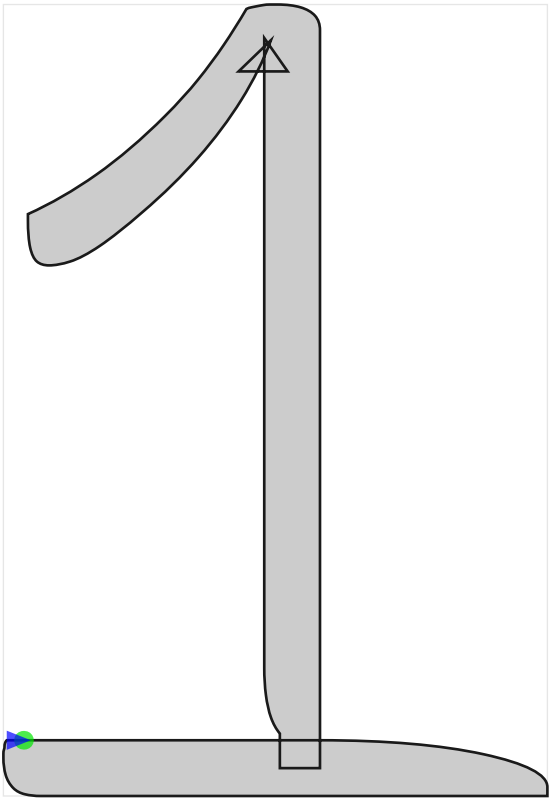
”



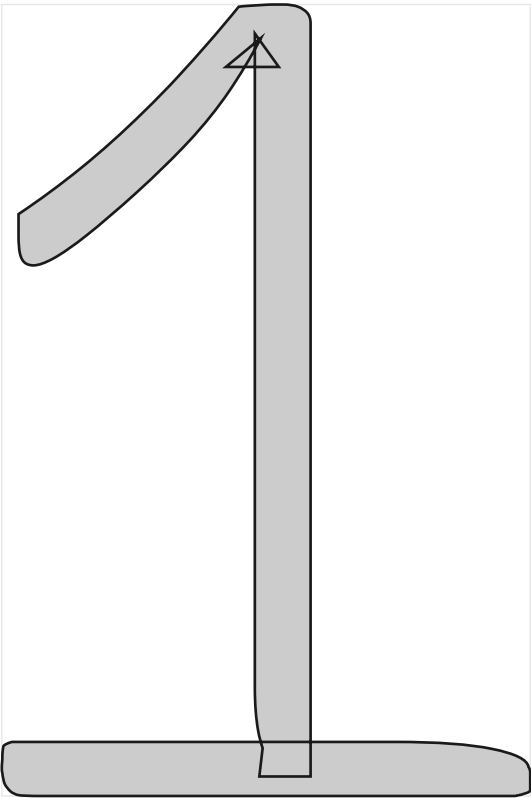
midway interpolation



'CASL=1.0'

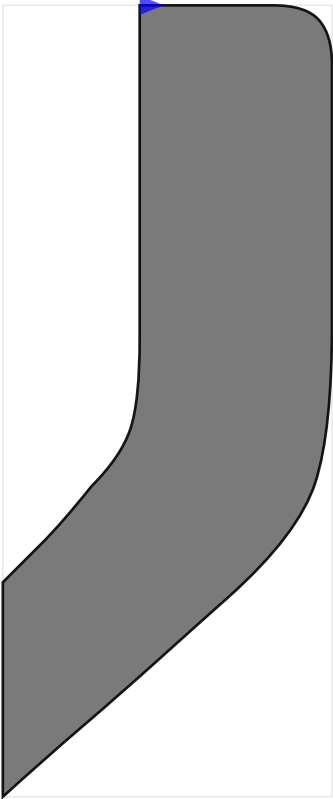


proposed fix

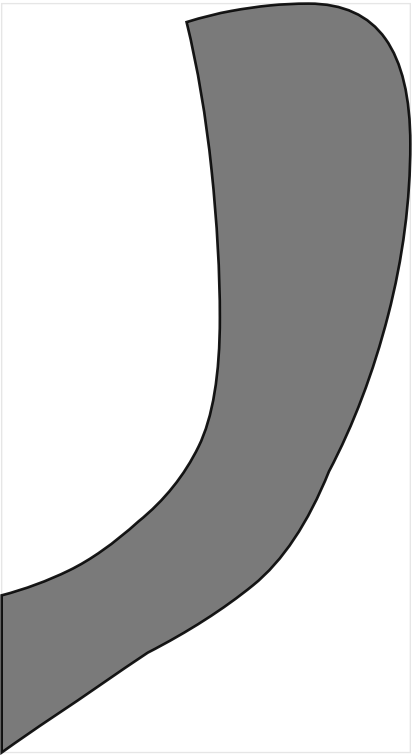


Problems: underweight, wrong\_start\_point

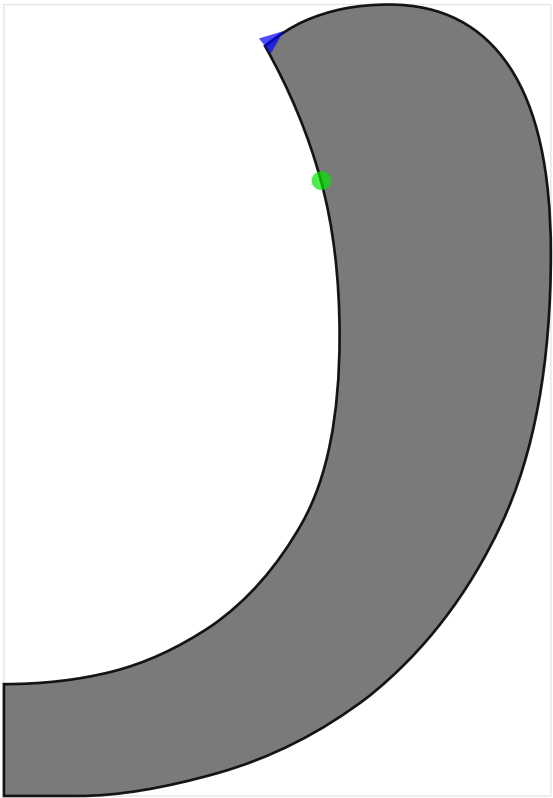
”



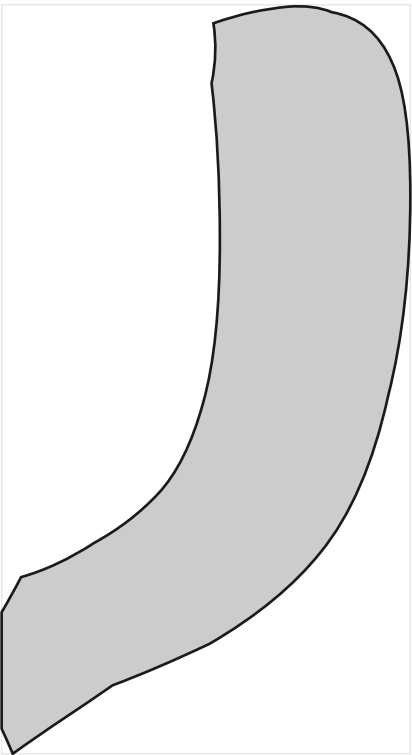
midway interpolation



'CASL=1.0'



proposed fix

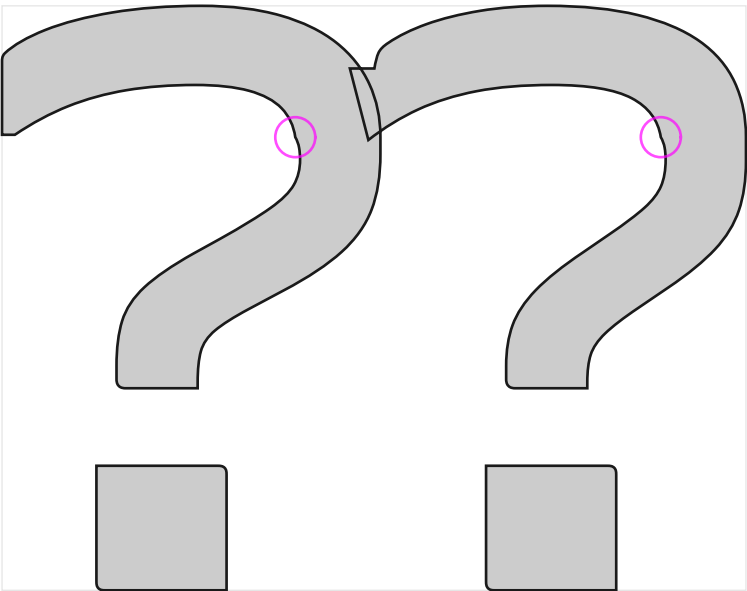
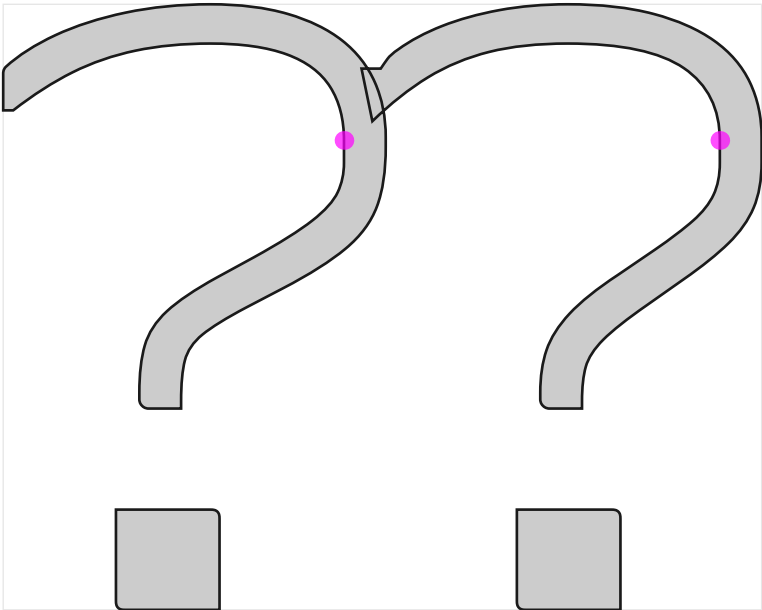




Problems: kink

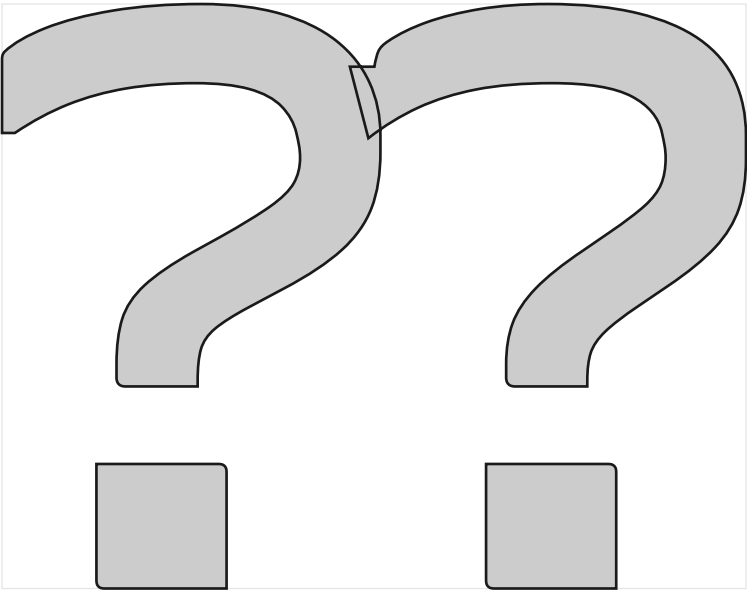
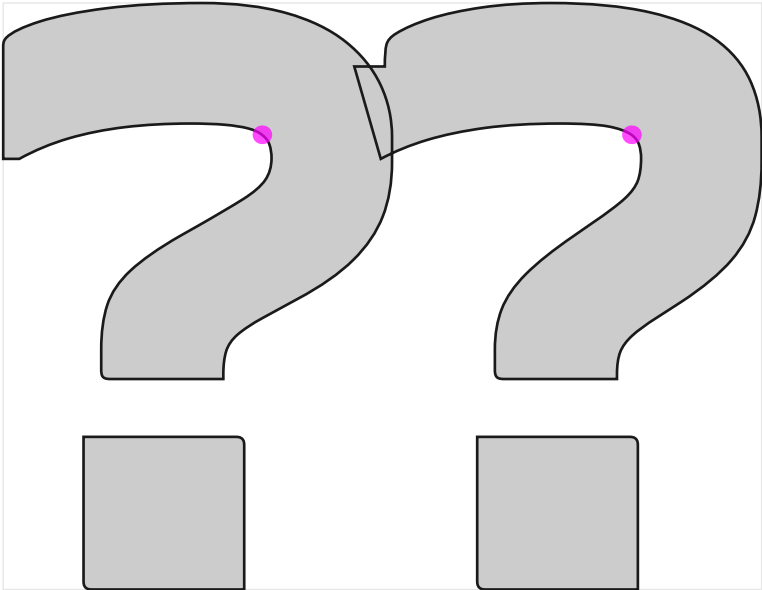
”

midway interpolation



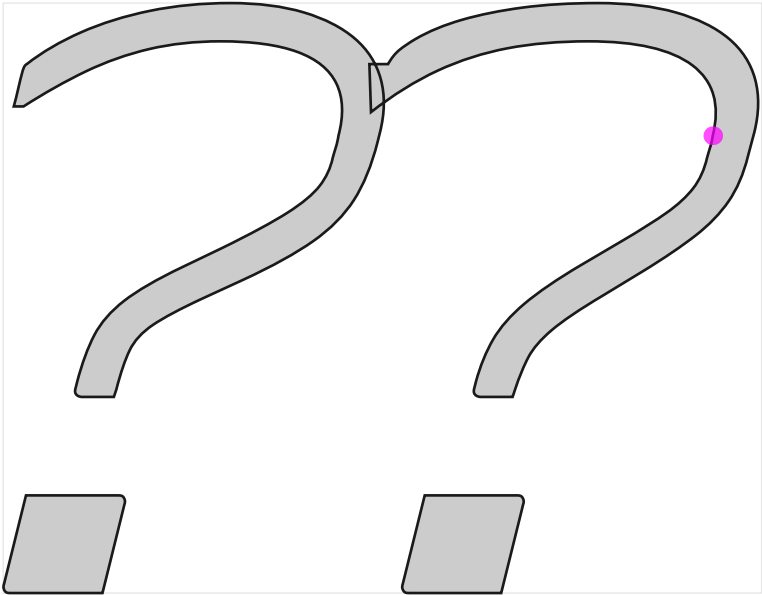
'wght=800.006 1'

proposed fix

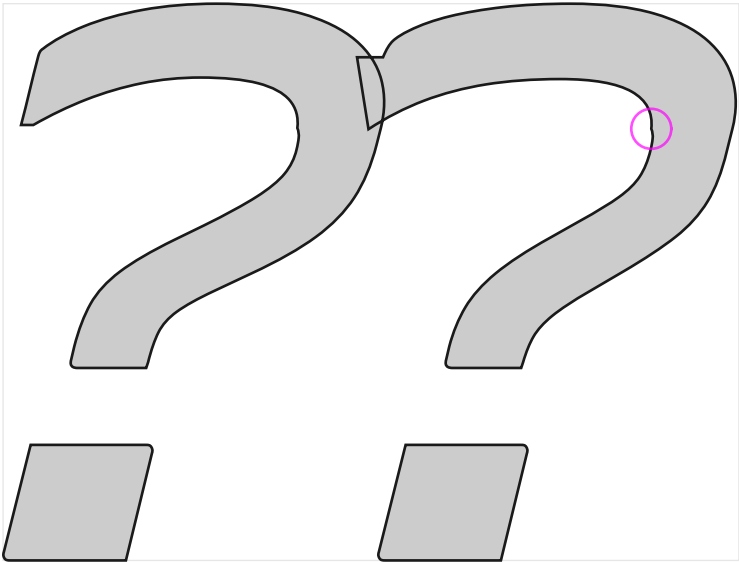


Problems: kink

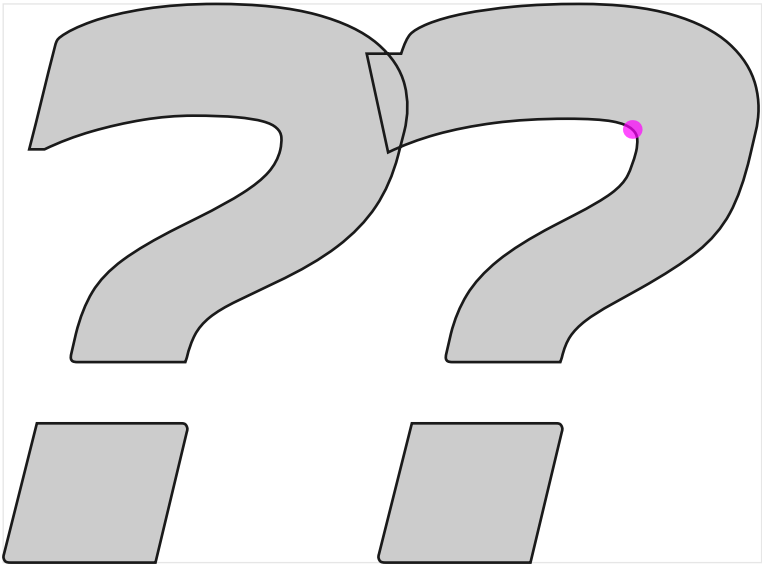
'slnt=-14.0497'



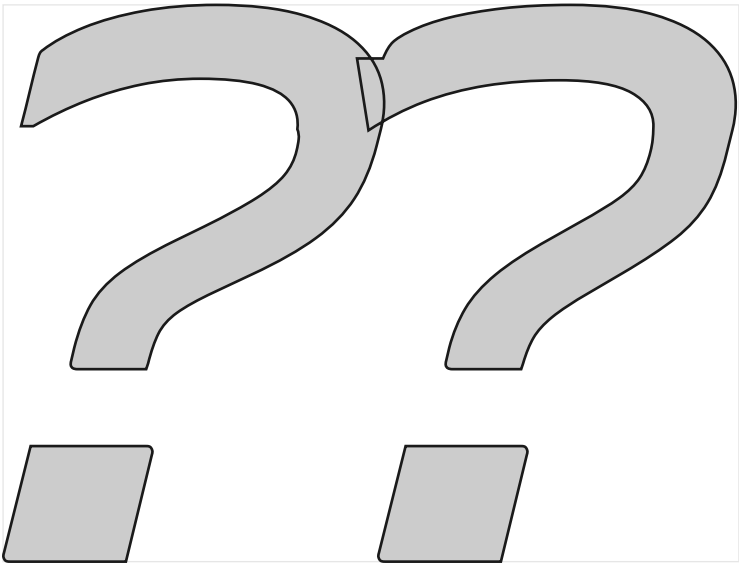
midway interpolation



'slnt=-14.0497 wght=800.0061'



proposed fix

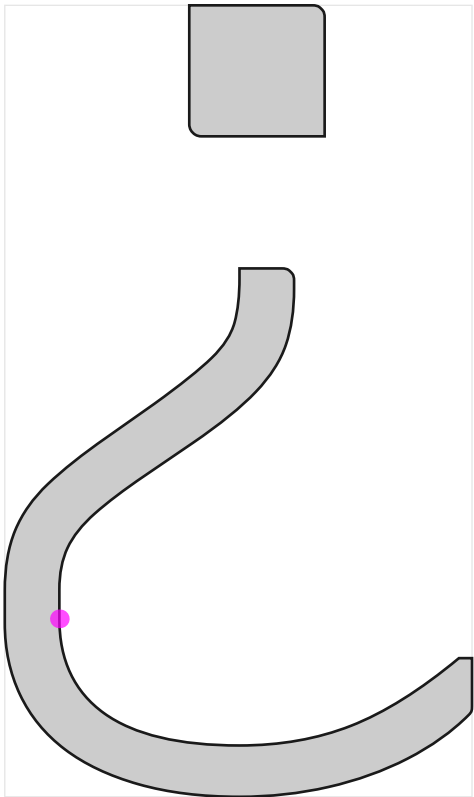


# Glyph name: questiondown

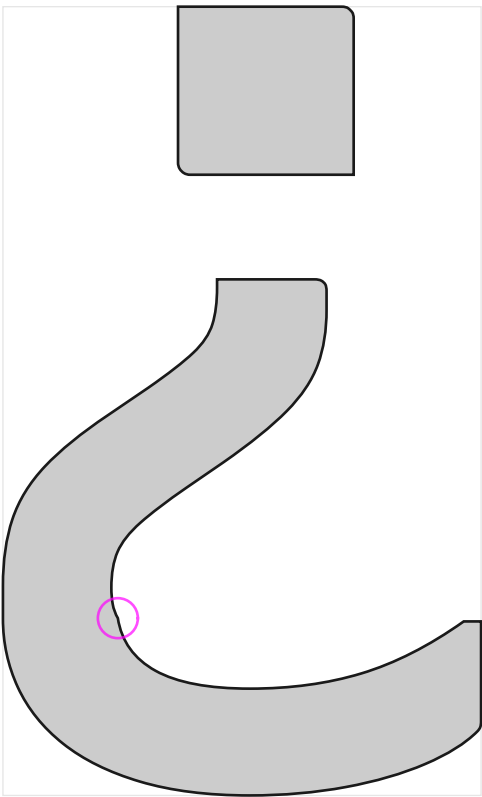
tolerance: 0.55

Problems: kink

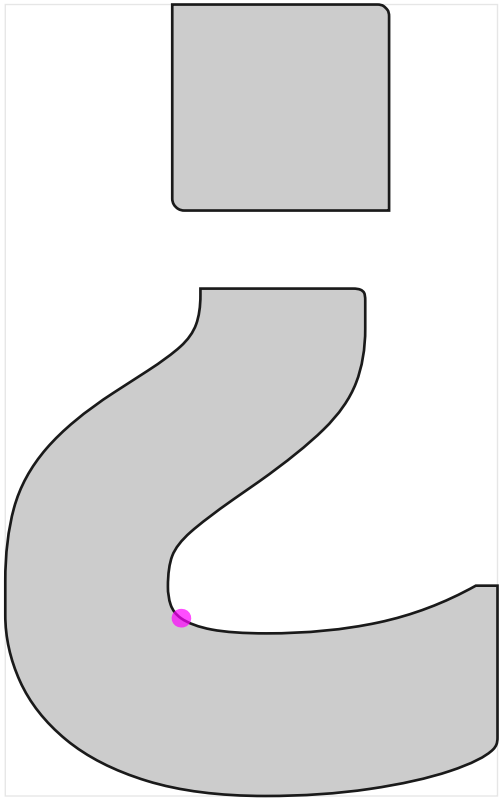
”



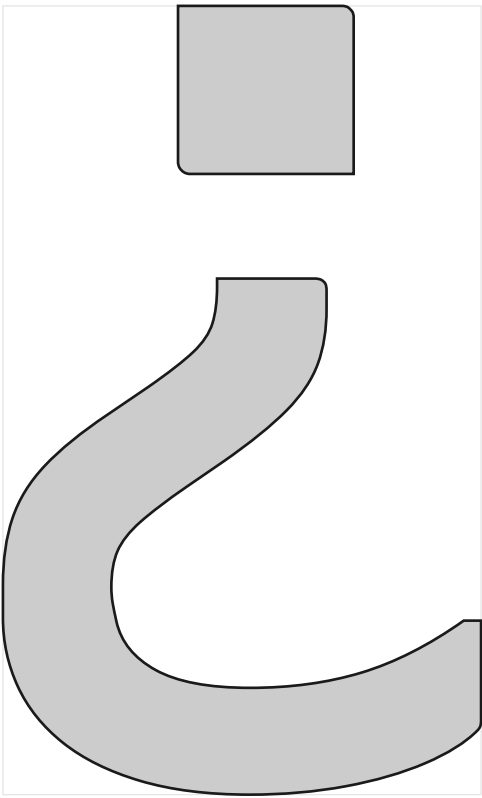
midway interpolation



'wght=800.006 1'



proposed fix

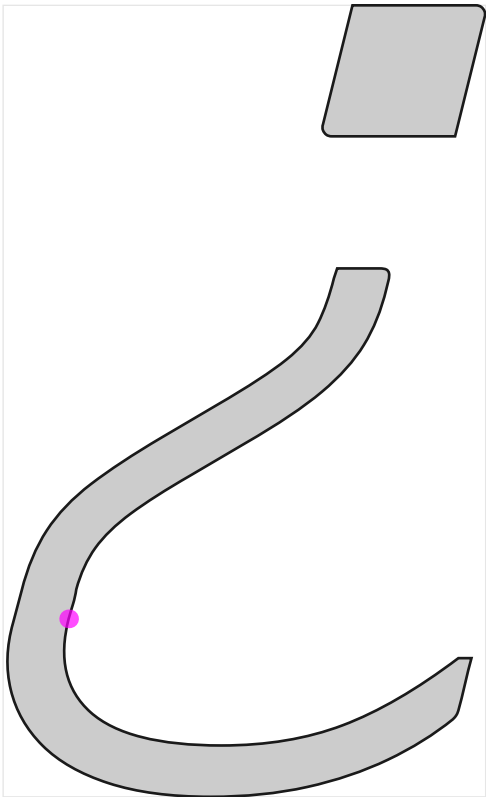


# Glyph name: questiondown

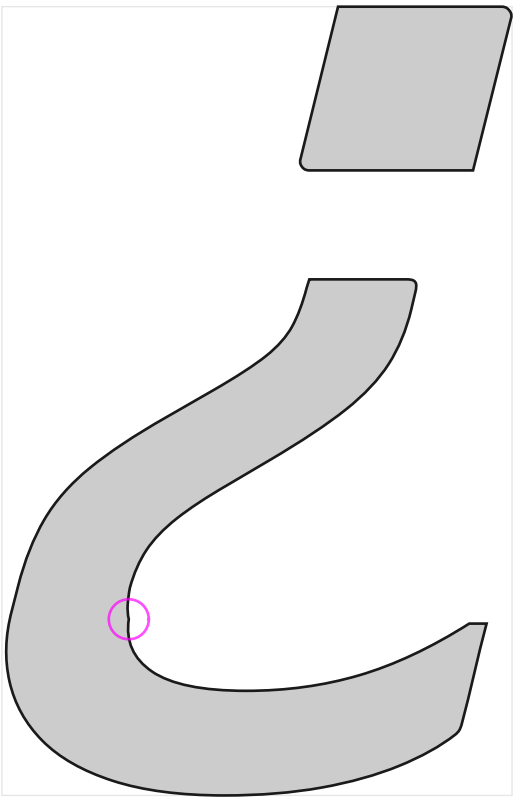
tolerance: 0.55

Problems: kink

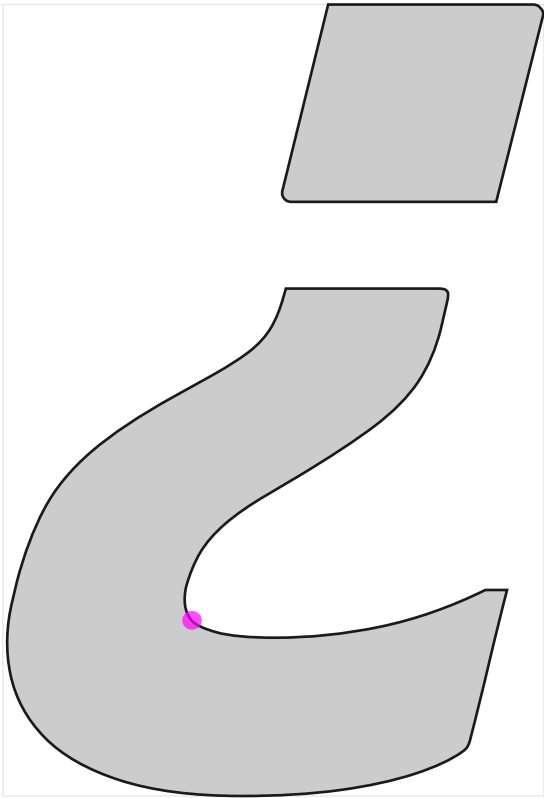
'slnt=-14.0497'



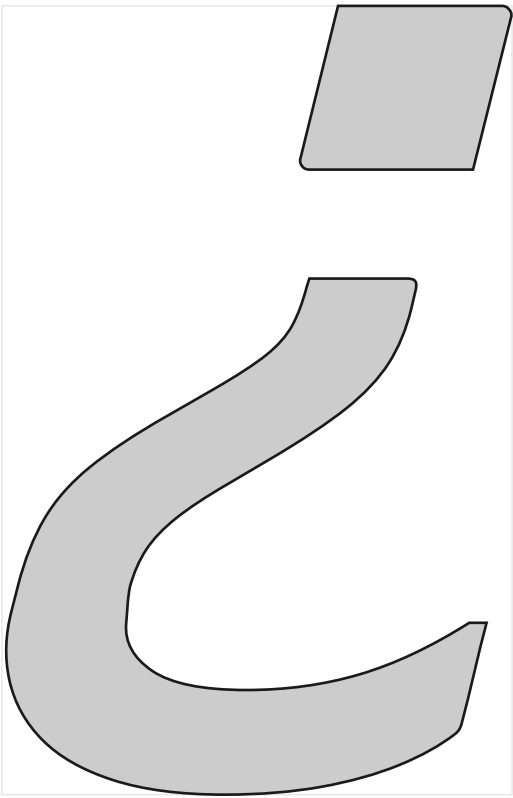
midway interpolation



'slnt=-14.0497 wght=800.0061'

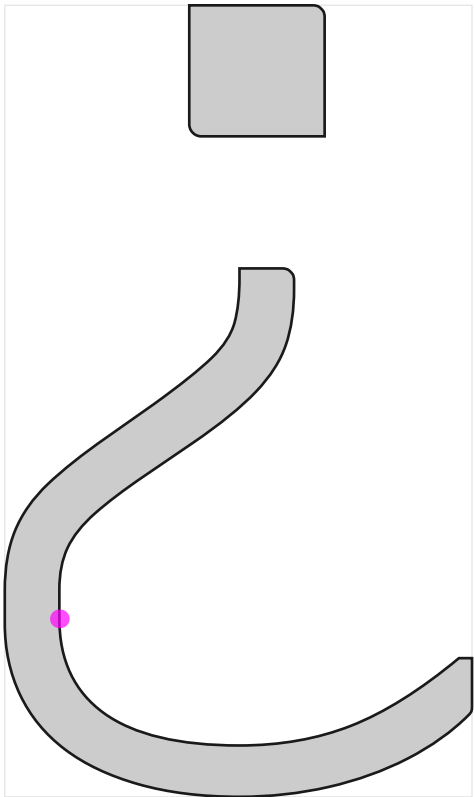


proposed fix

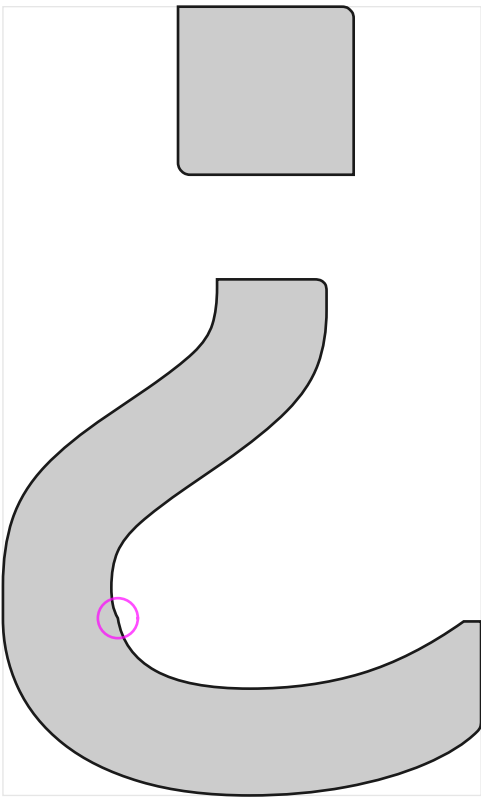


Problems: kink

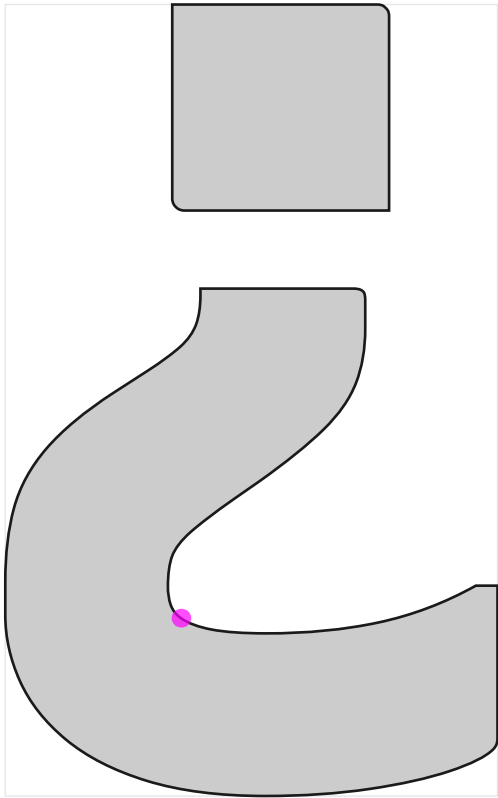
”



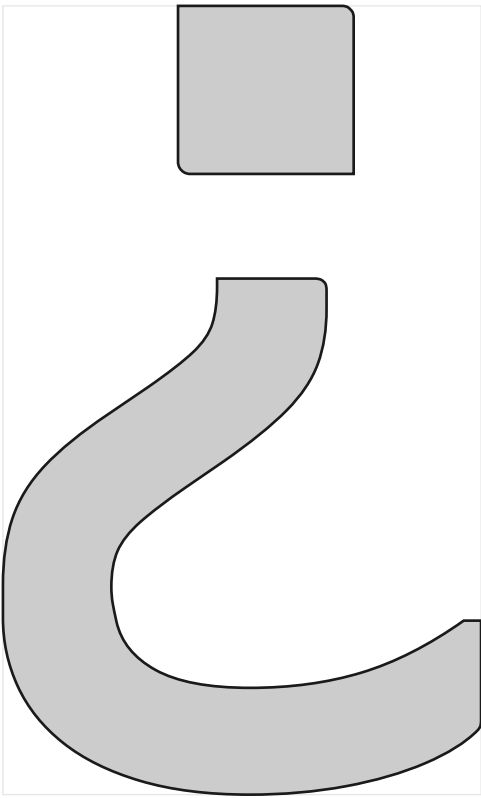
midway interpolation



'wght=800.006 1'

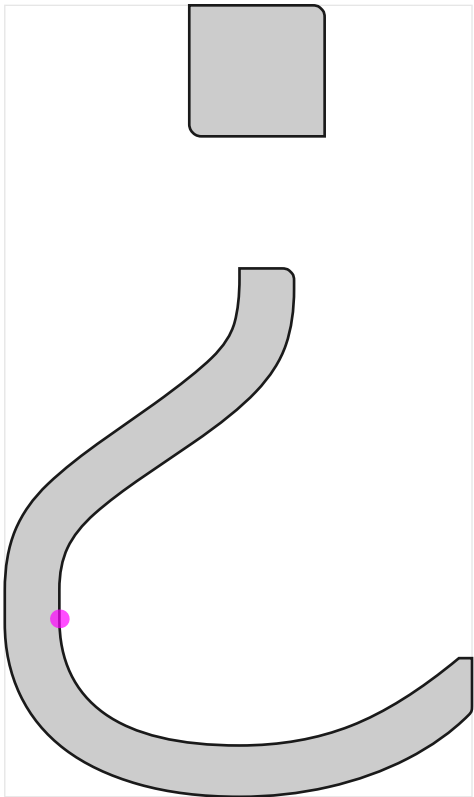


proposed fix

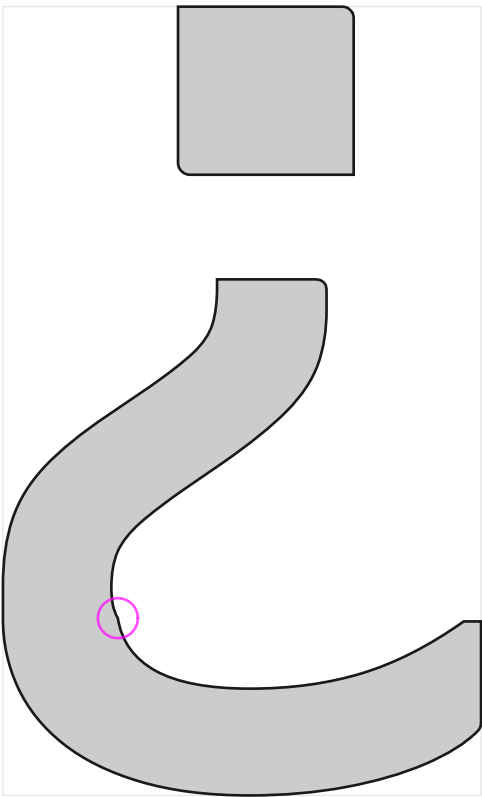


Problems: kink

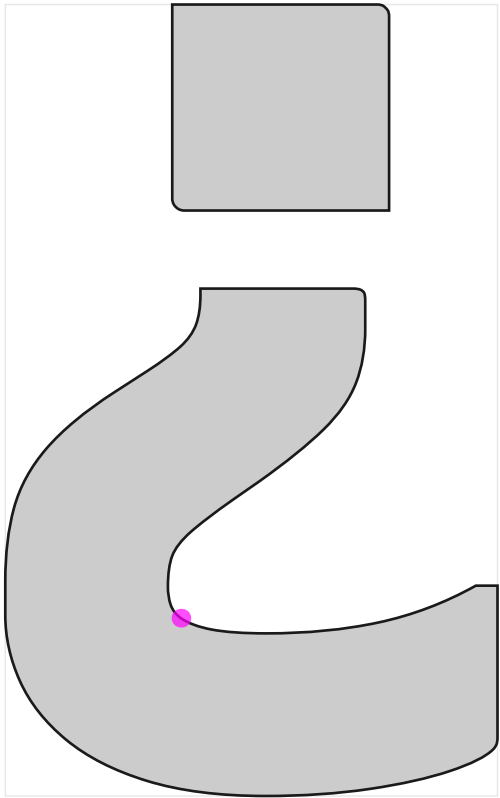
'MONO=1.0'



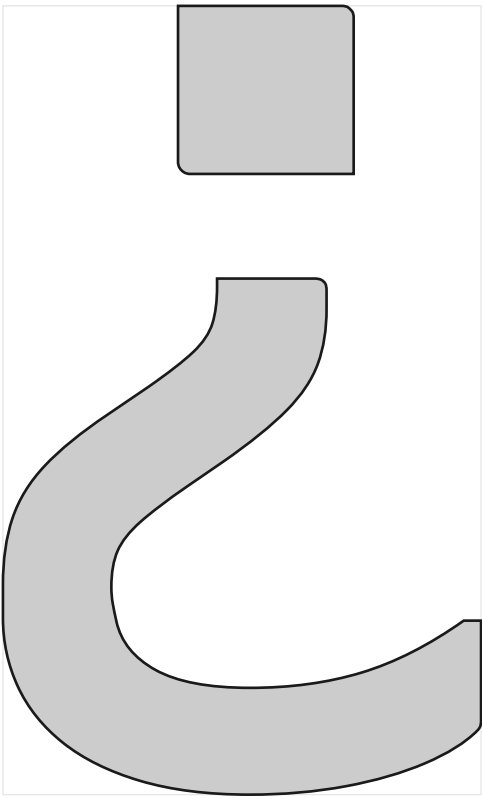
midway interpolation



'MONO=1.0 wght=800.006 1'

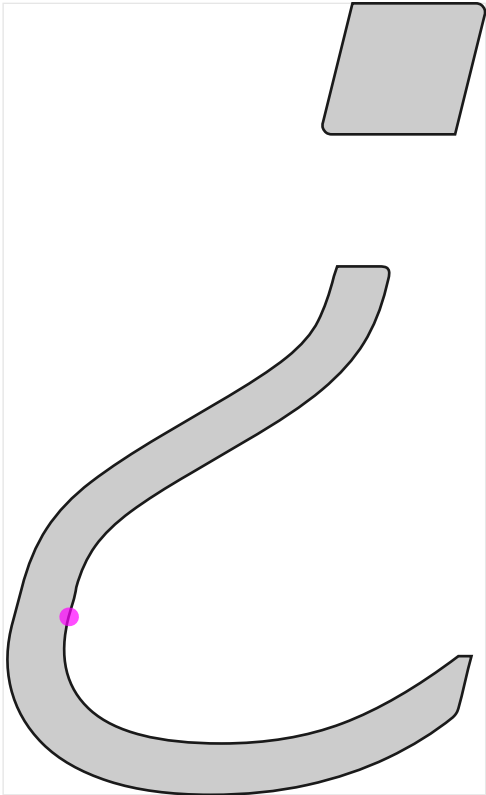


proposed fix

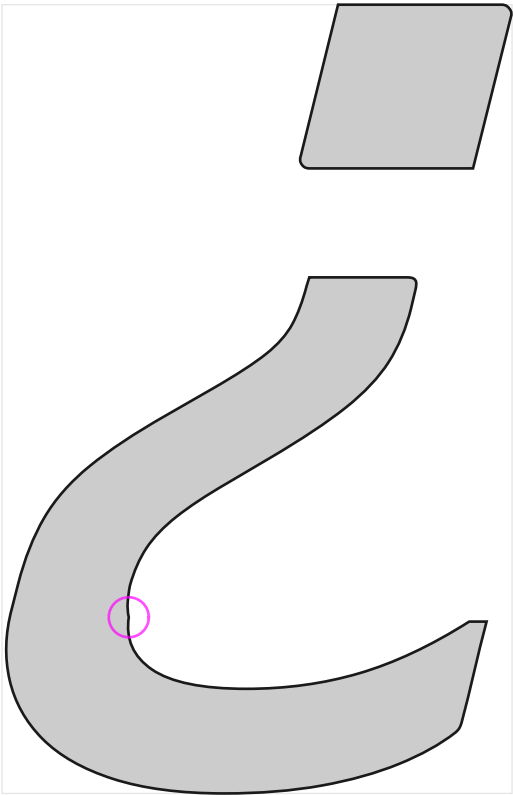


Problems: kink

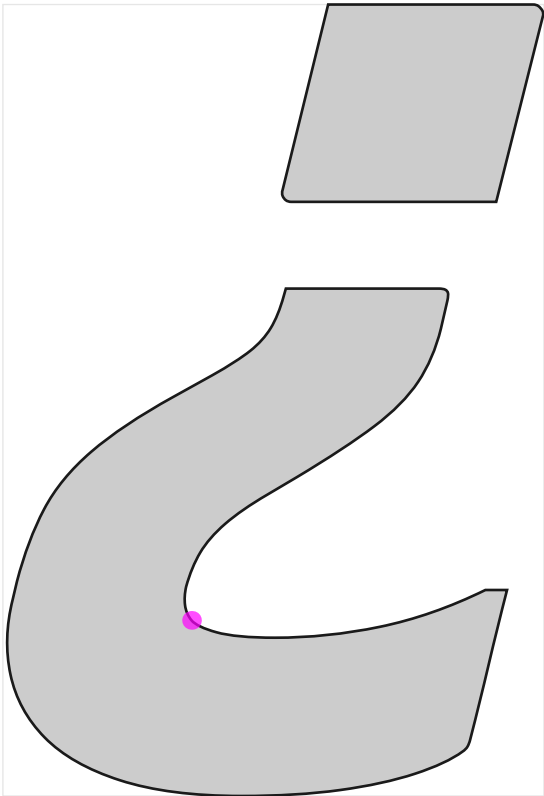
'slnt=-14.0497'



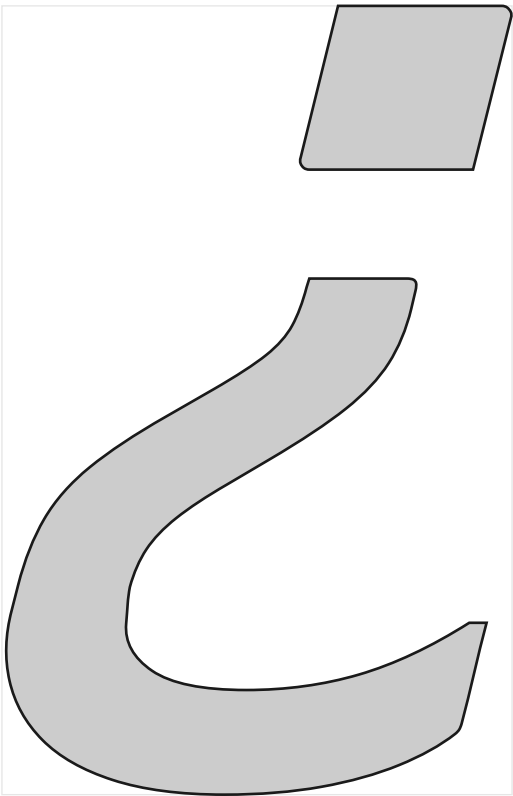
midway interpolation



'slnt=-14.0497 wght=800.0061'

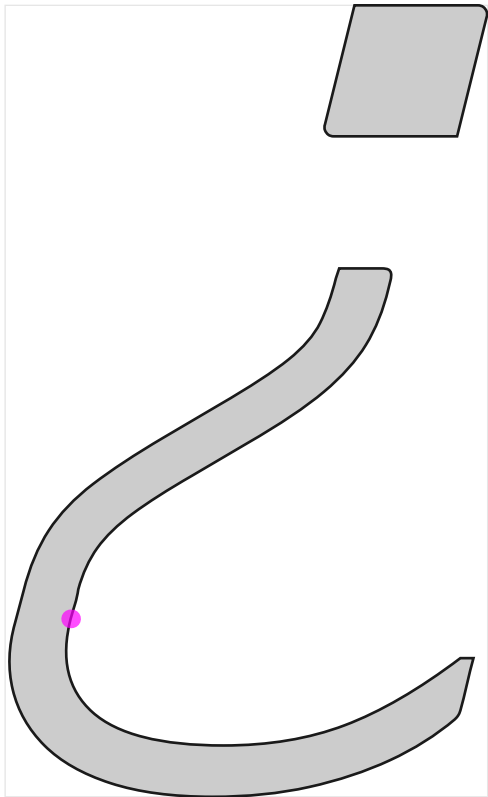


proposed fix

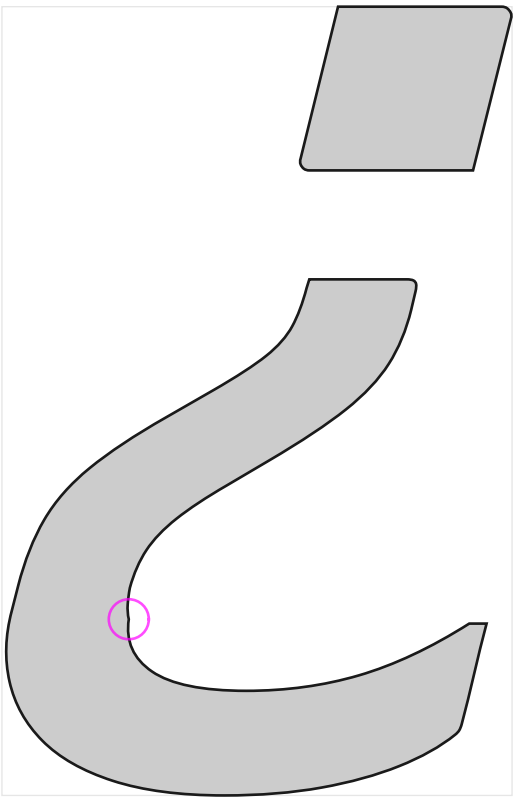


Problems: kink

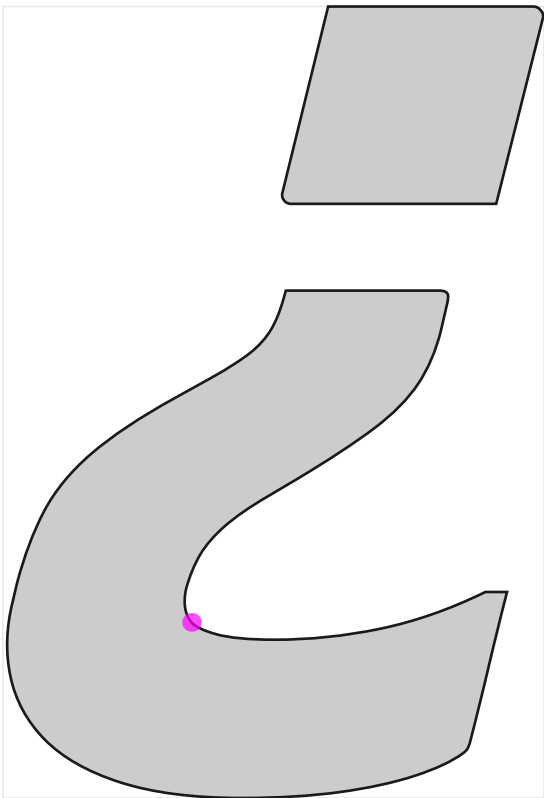
'MONO=1.0 slnt=-14.0497'



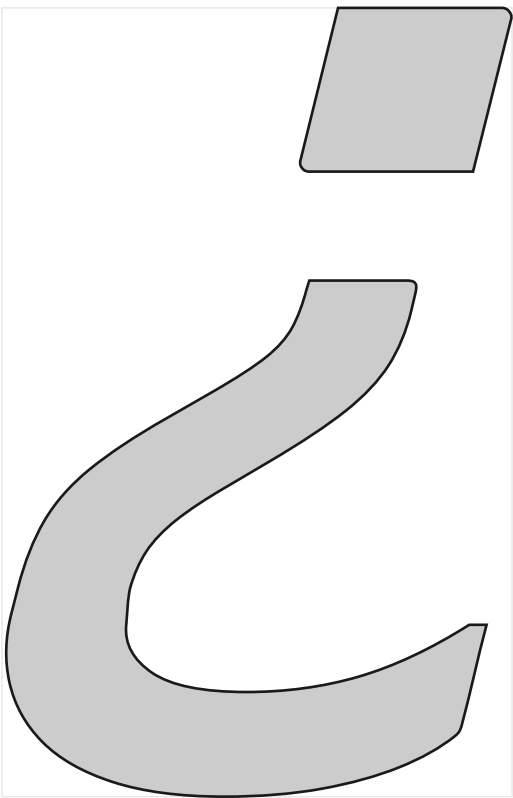
midway interpolation



'MONO=1.0 slnt=-14.0497 wght=800.0061'



proposed fix



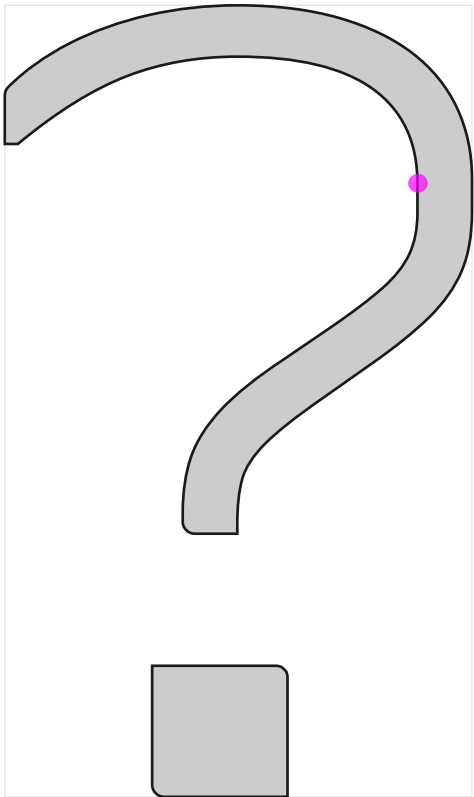


# Glyph name: question

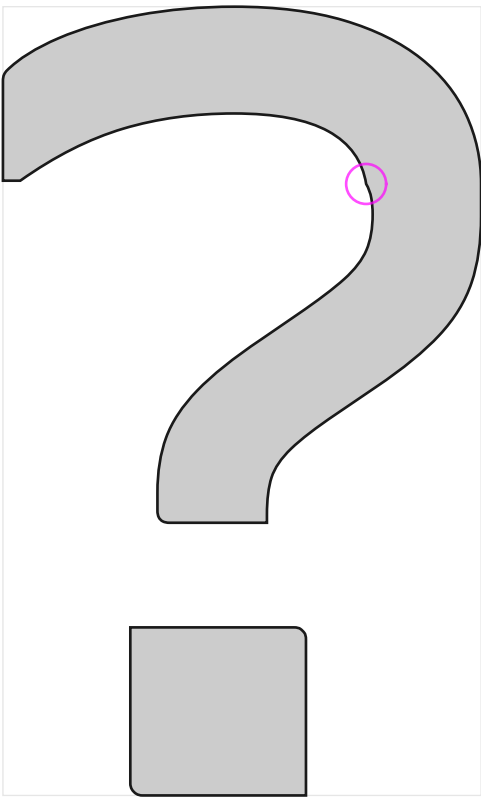
tolerance: 0.55

Problems: kink

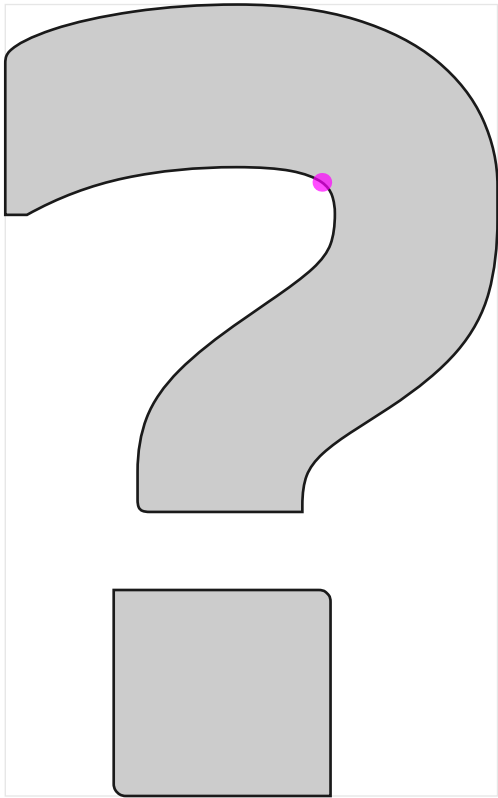
”



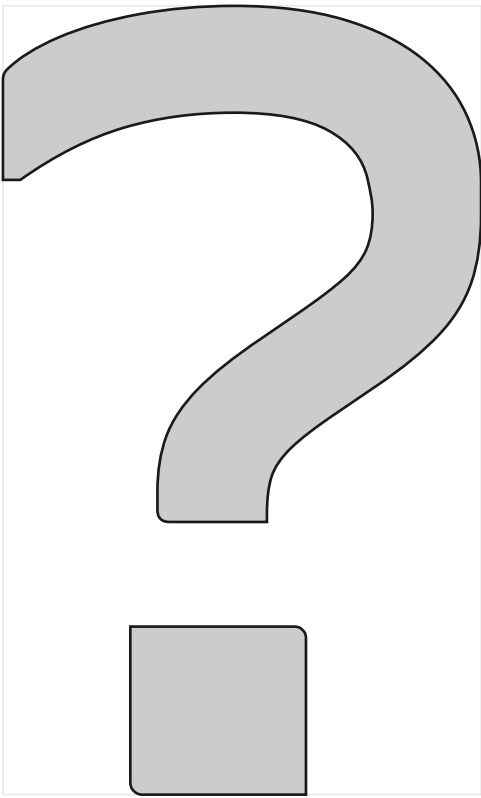
midway interpolation



'wght=800.006 1'



proposed fix

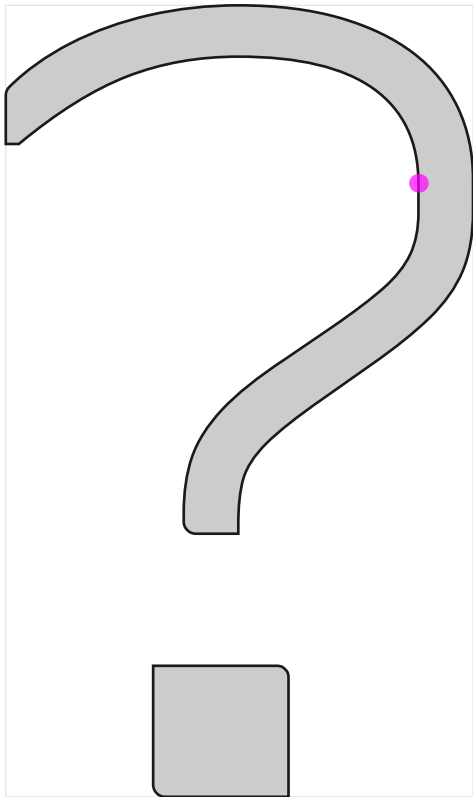


# Glyph name: question

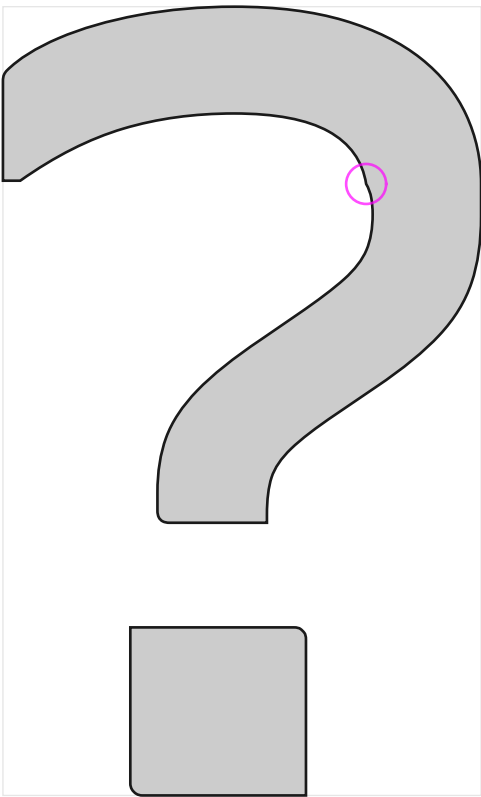
tolerance: 0.55

Problems: kink

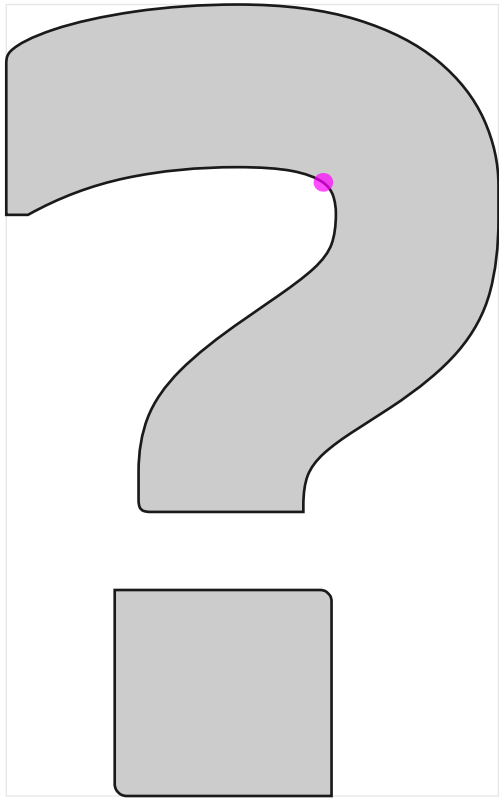
'MONO=1.0'



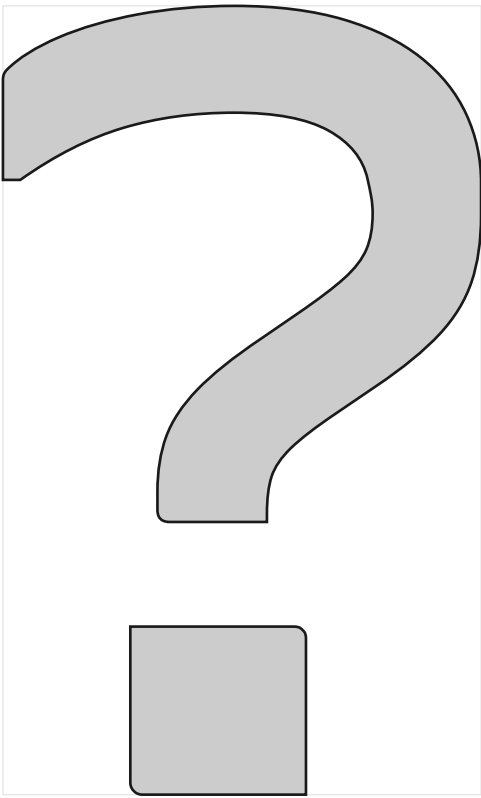
midway interpolation



'MONO=1.0 wght=800.006 1'

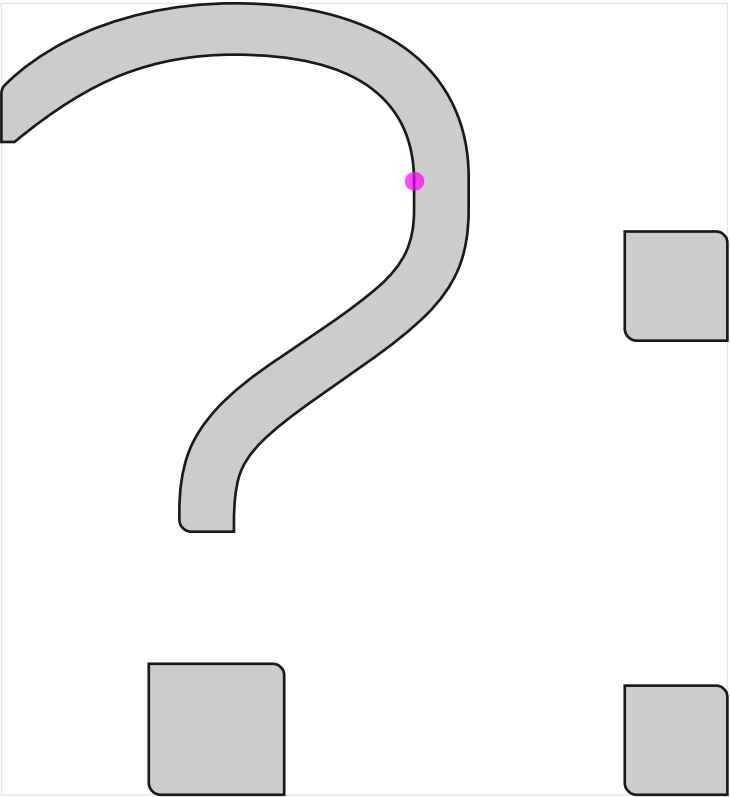


proposed fix

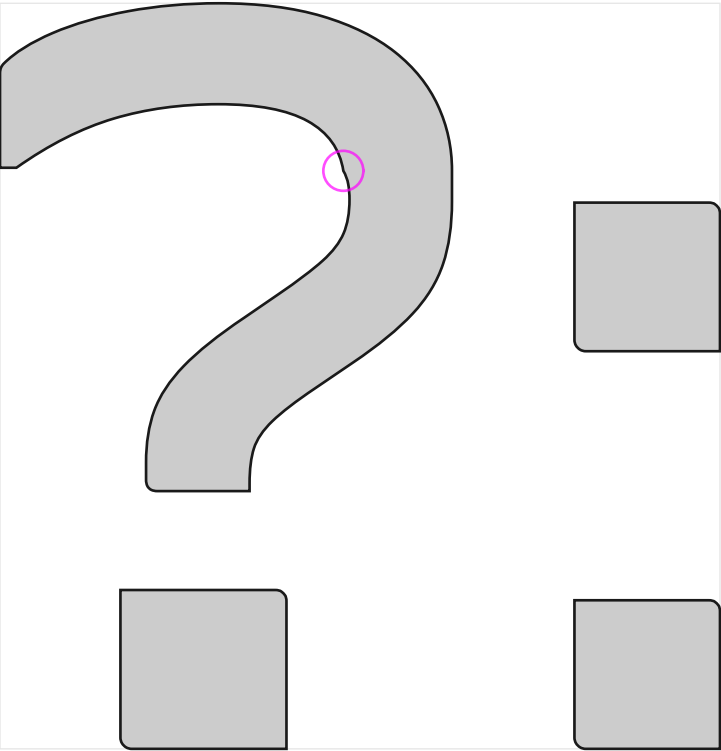


Problems: kink

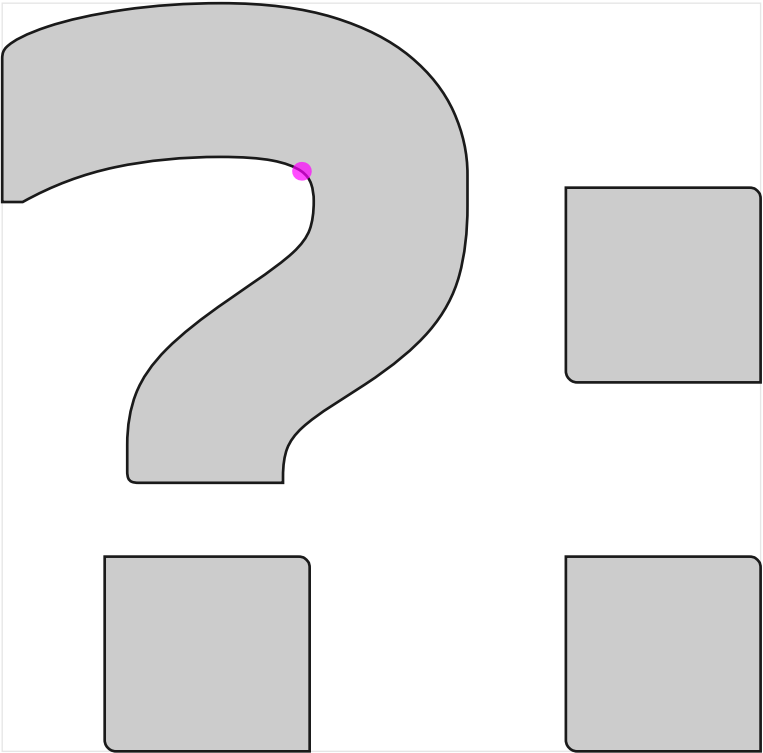
”



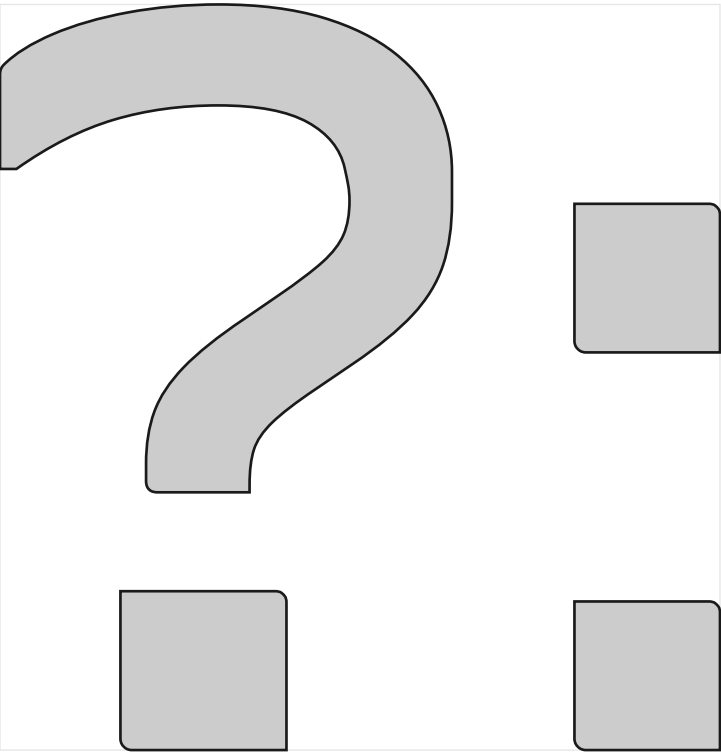
midway interpolation



'wght=800.006 1'

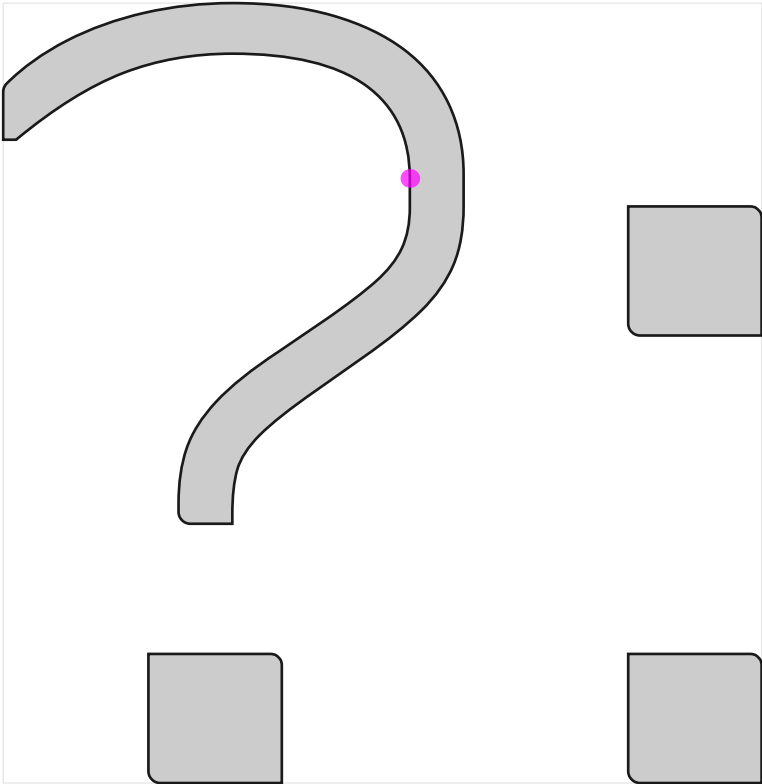


proposed fix

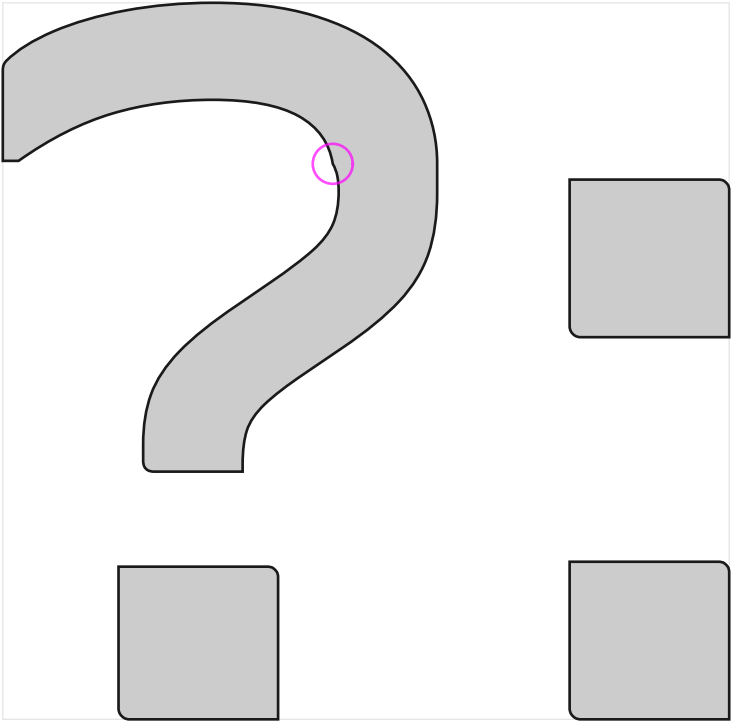


Problems: kink

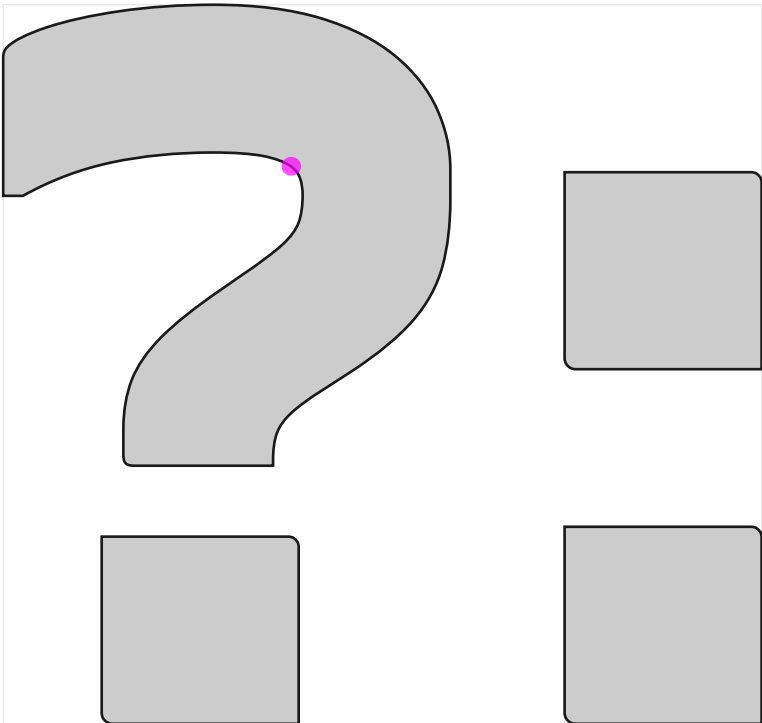
'MONO=1.0'



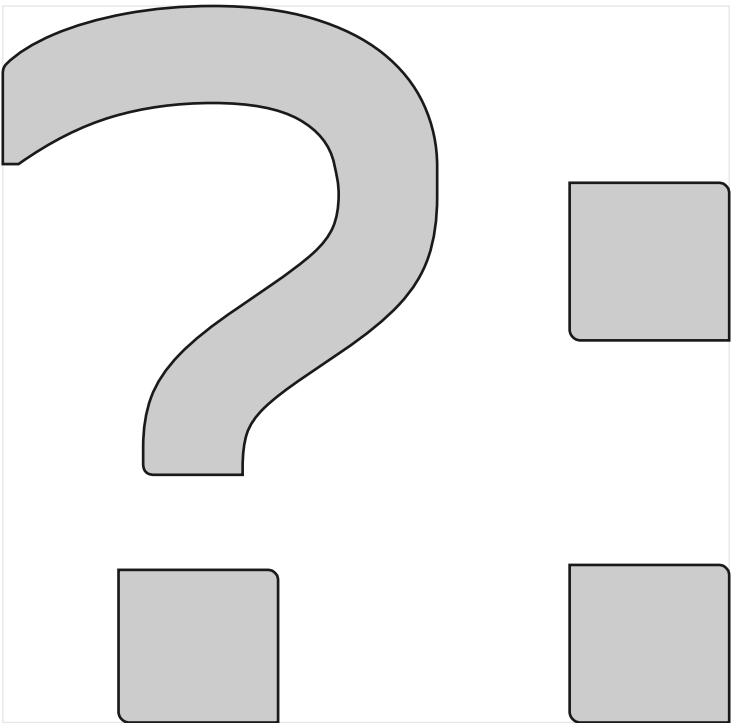
midway interpolation



'MONO=1.0 wght=800.0061'



proposed fix

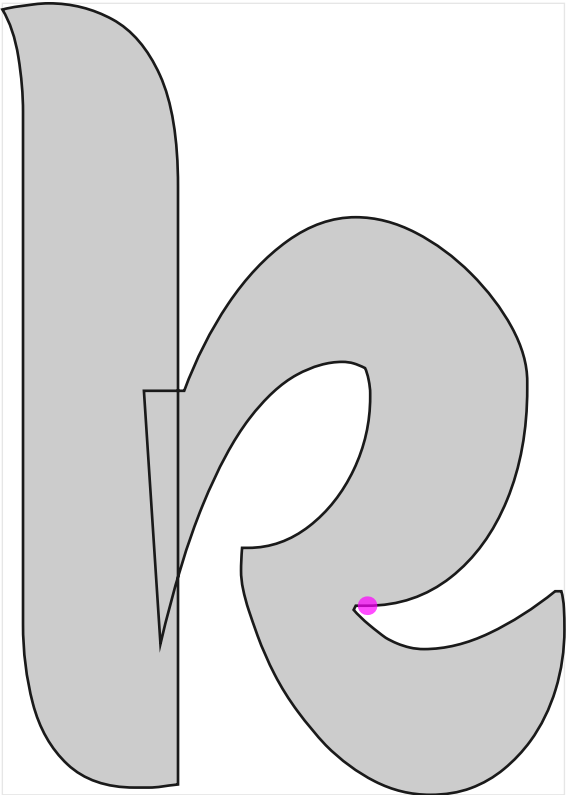


# Glyph name: k.italic

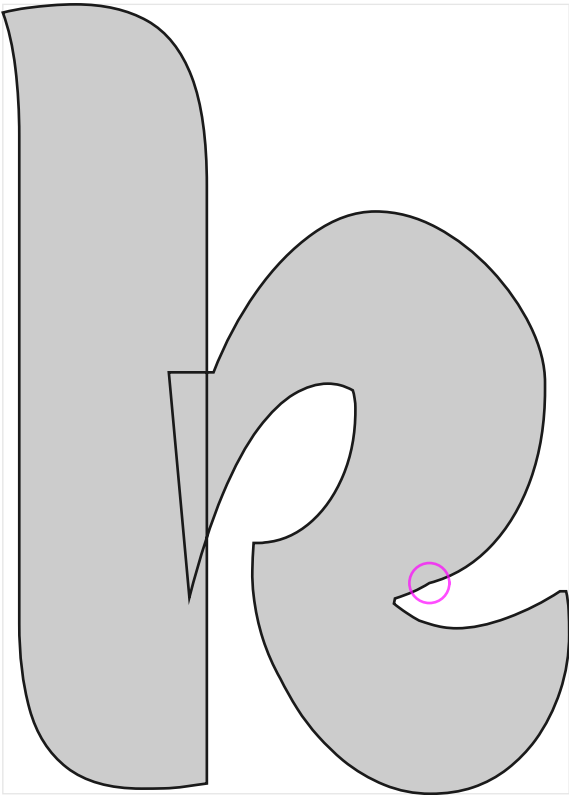
tolerance: 0.68

Problems: kink

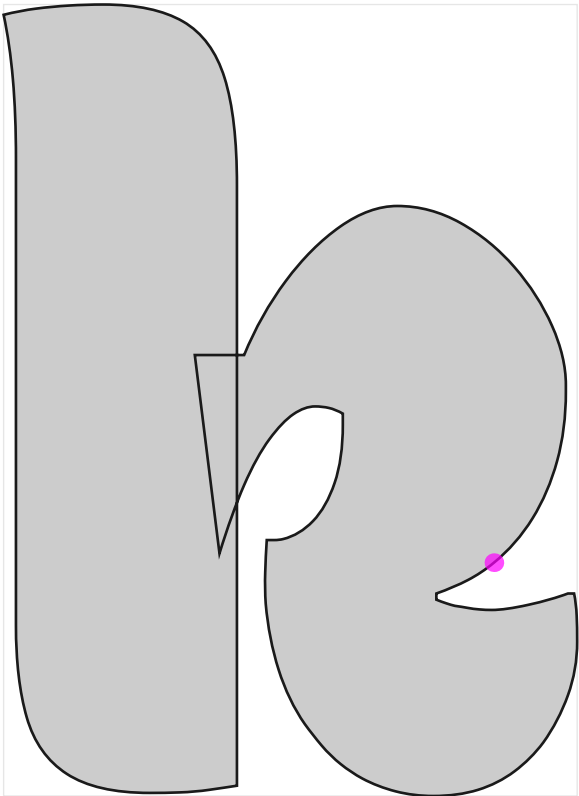
'CASL=1.0 wght=800.0061'



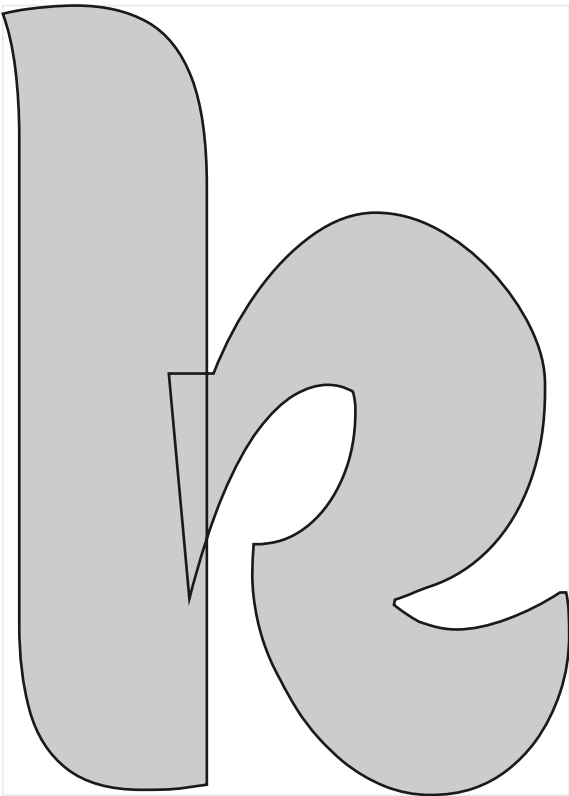
midway interpolation



'CASL=1.0 wght=1000.0'



proposed fix

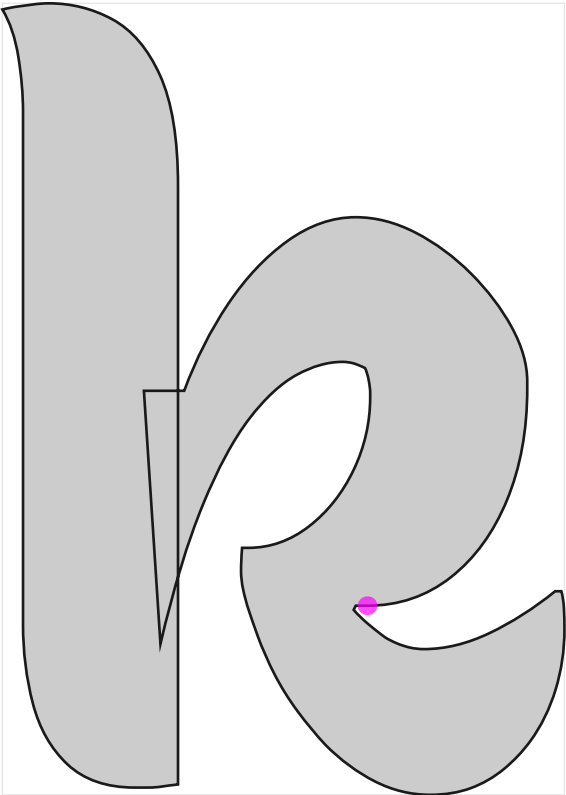


# Glyph name: k.italic

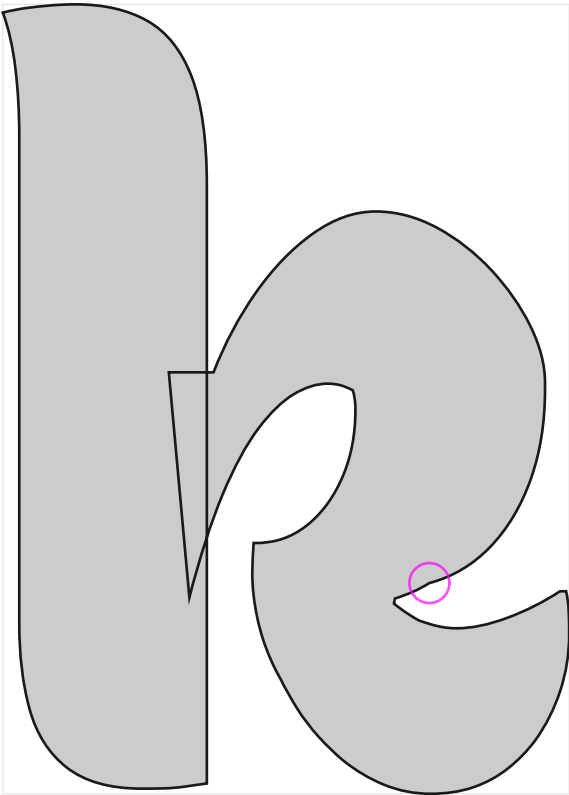
tolerance: 0.68

Problems: kink

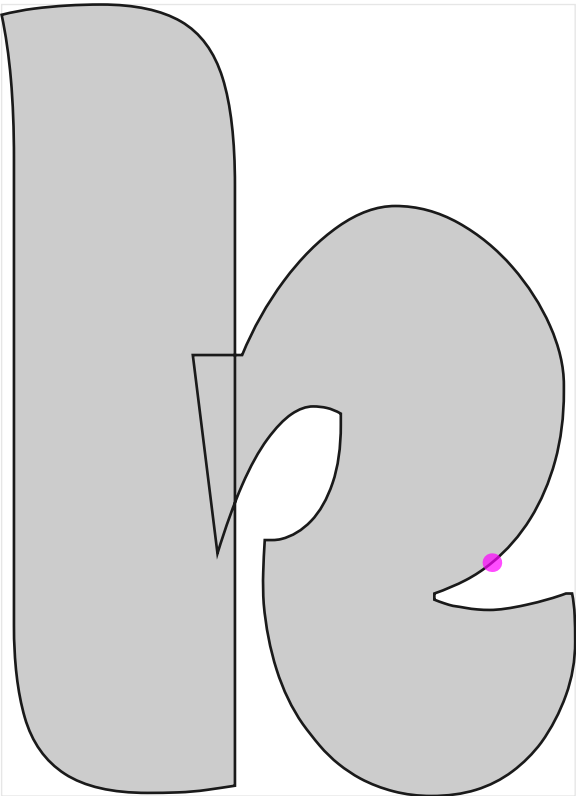
'CASL=1.0 MONO=1.0 wght=800.0061'



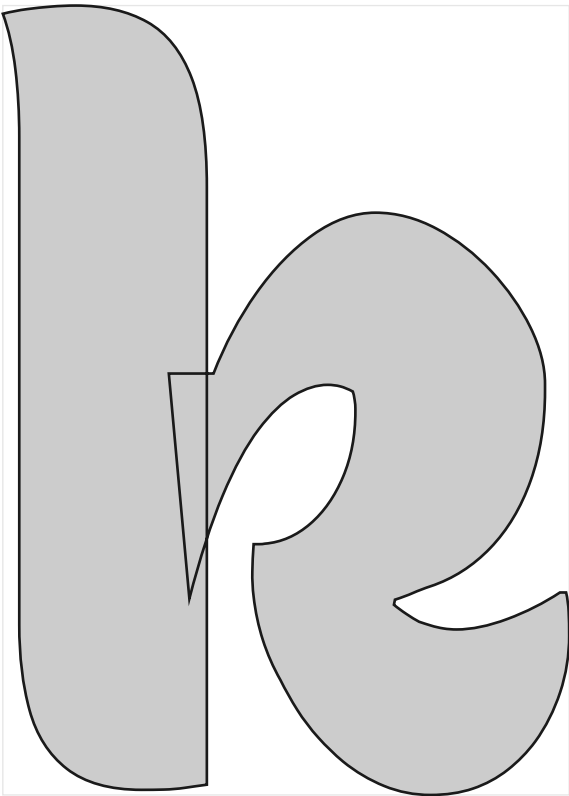
midway interpolation



'CASL=1.0 MONO=1.0 wght=1000.0'



proposed fix

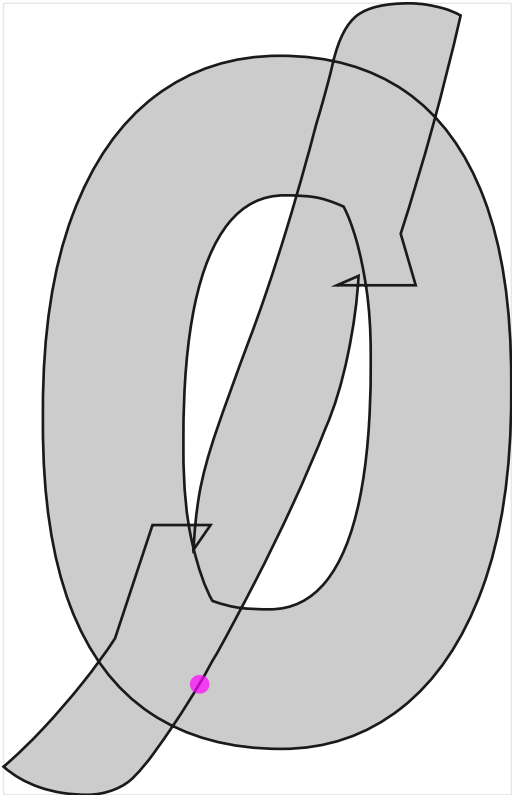


# Glyph name: Oslash

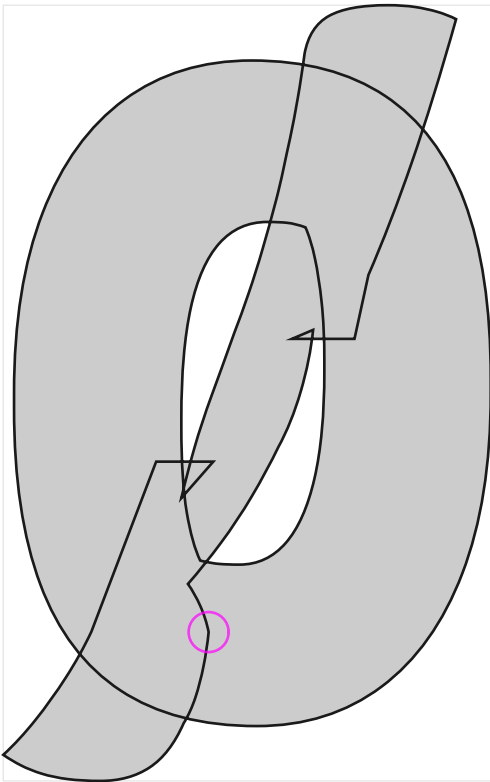
tolerance: 0.68

Problems: kink

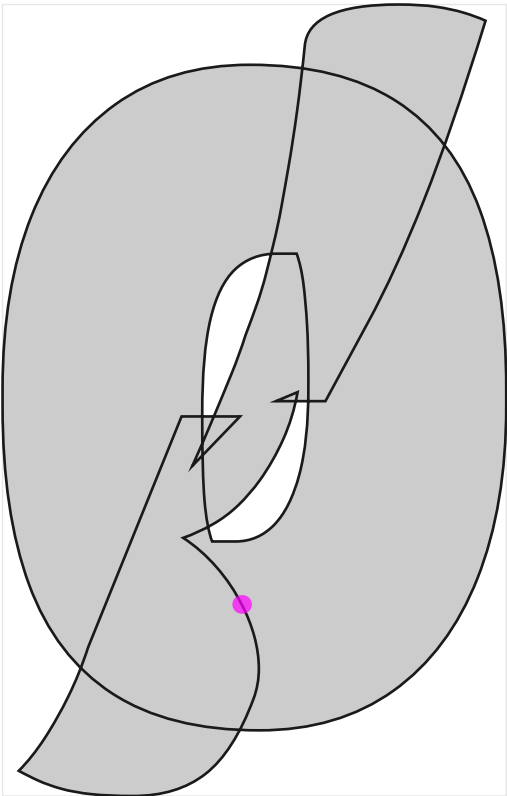
'CASL=1.0 MONO=1.0 wght=800.0061'



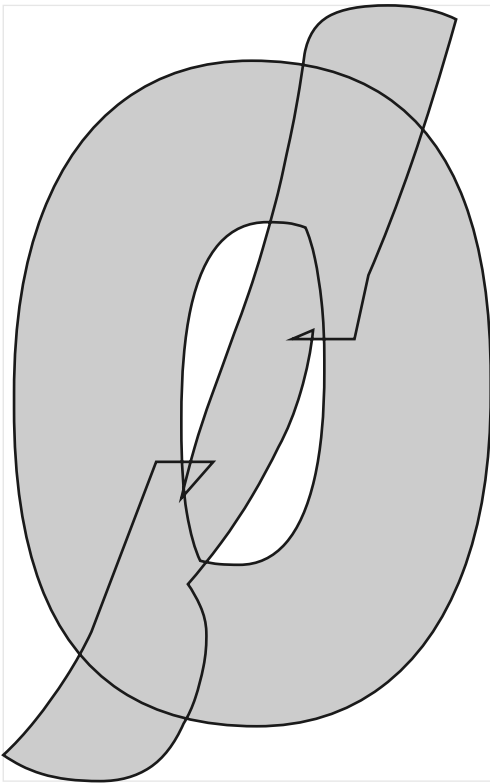
midway interpolation



'CASL=1.0 MONO=1.0 wght=1000.0'



proposed fix

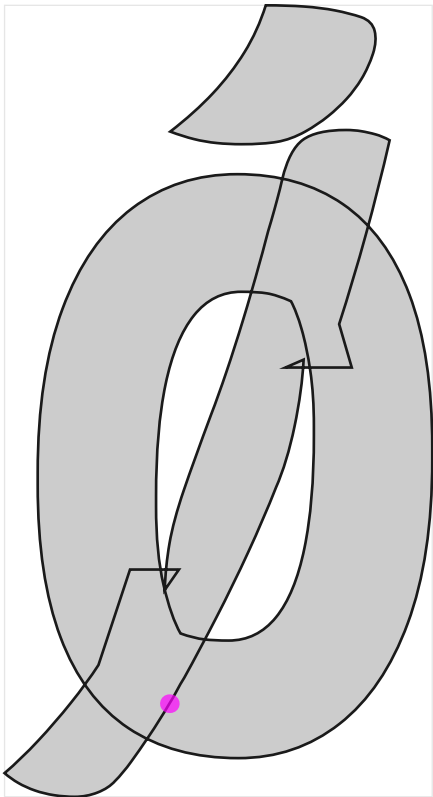


# Glyph name: Oslashacute

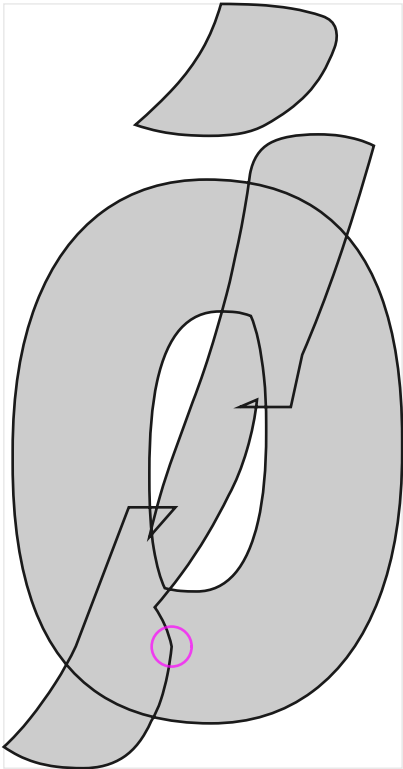
tolerance: 0.68

Problems: kink

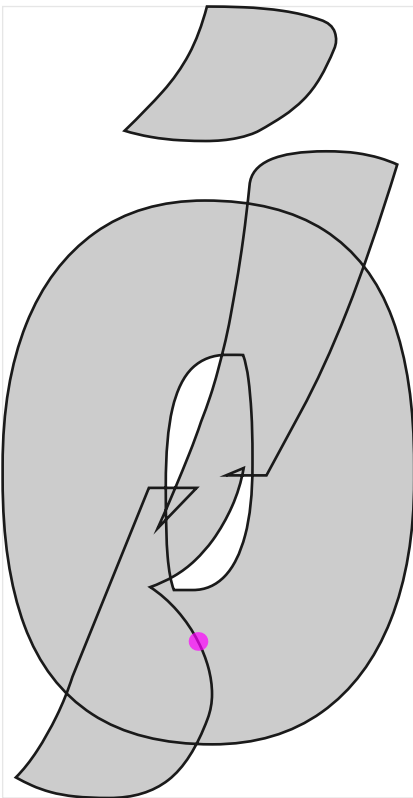
'CASL=1.0 MONO=1.0 wght=800.0061'



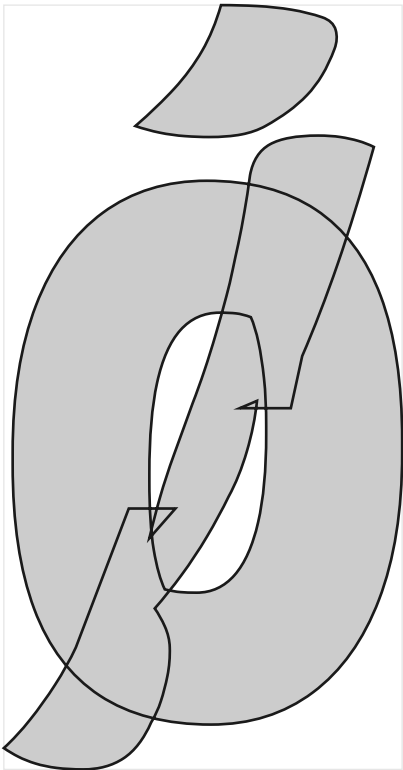
midway interpolation



'CASL=1.0 MONO=1.0 wght=1000.0'



proposed fix



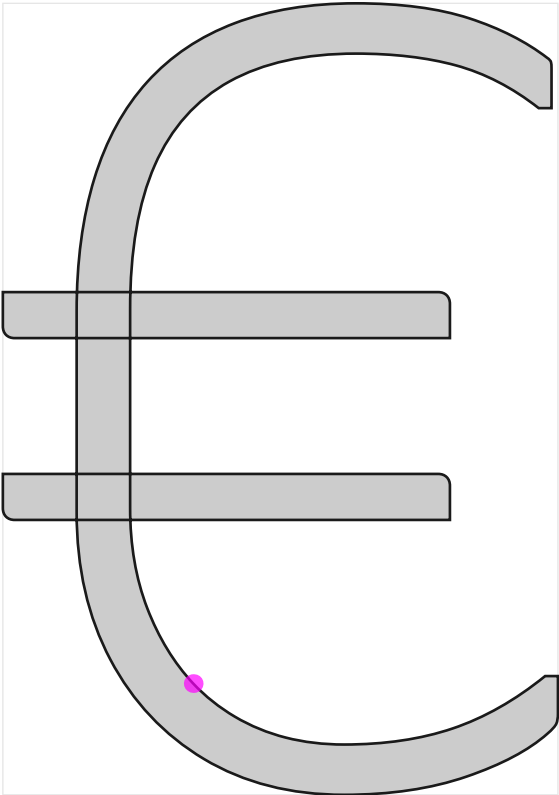


# Glyph name: Euro

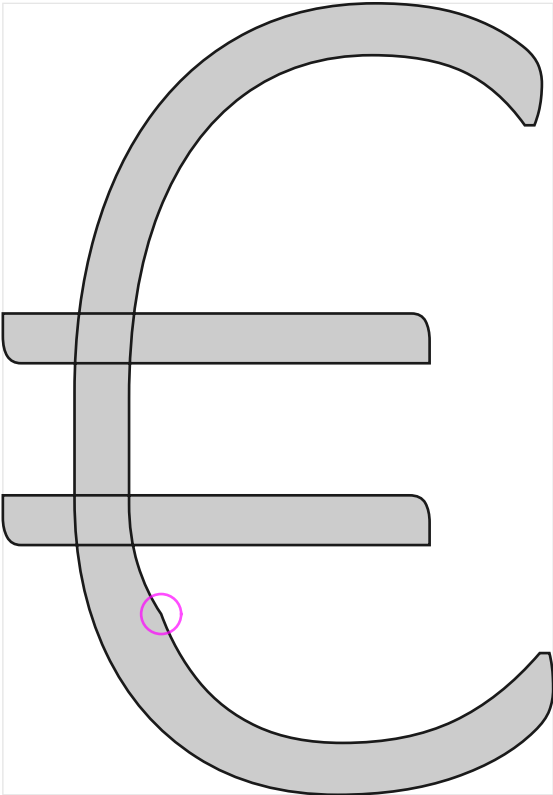
tolerance: 0.81

Problems: kink

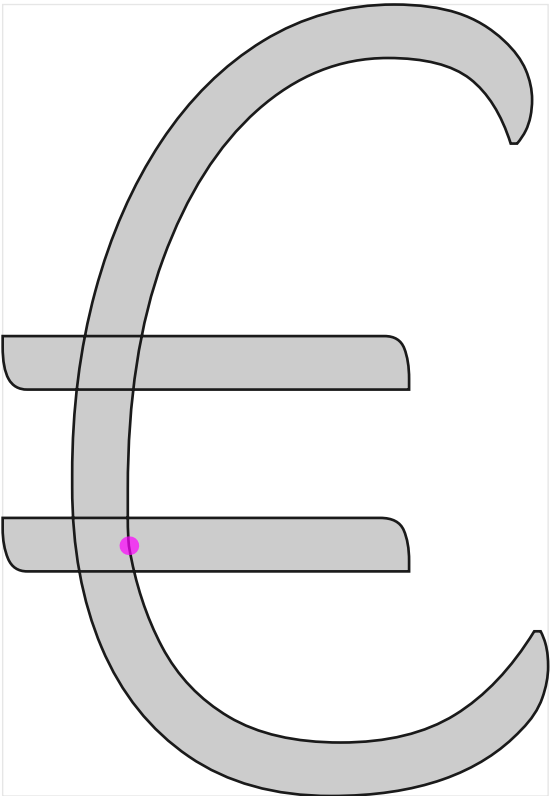
”



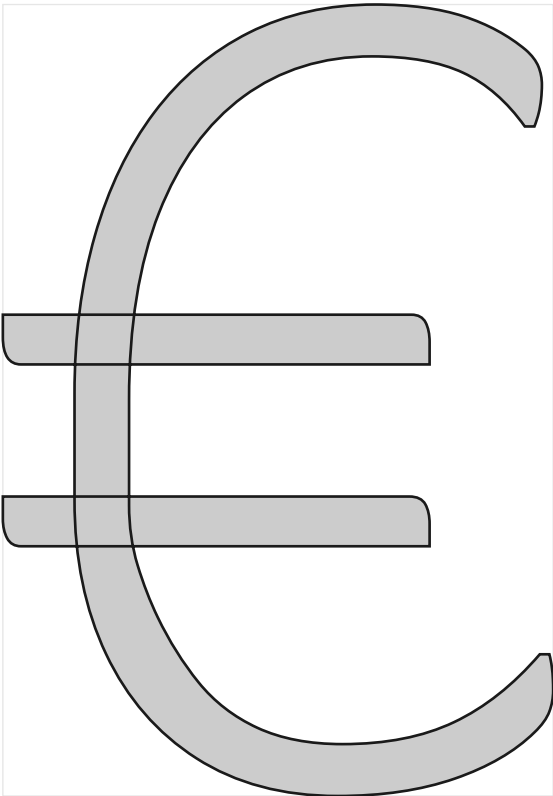
midway interpolation



'CASL=1.0'

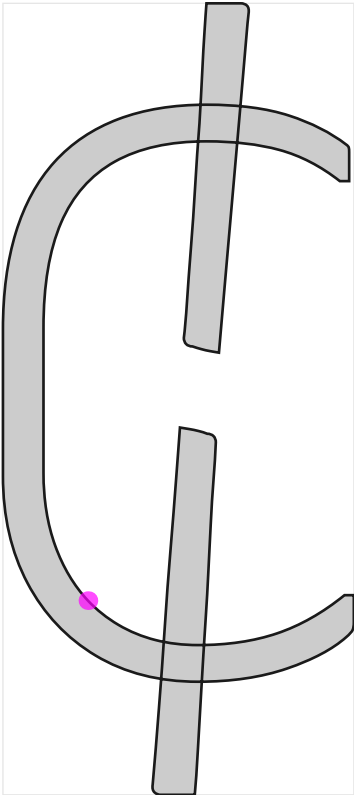


proposed fix

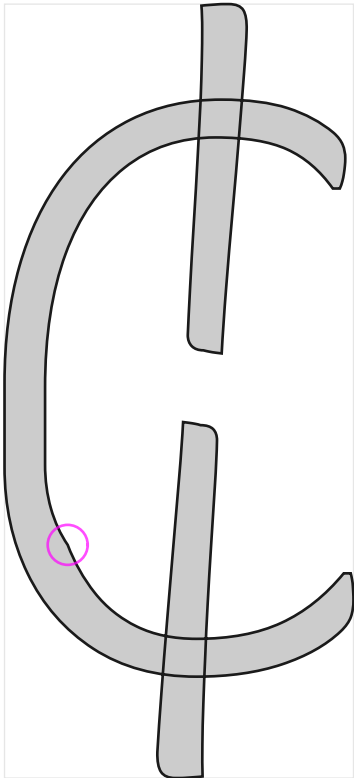


Problems: kink

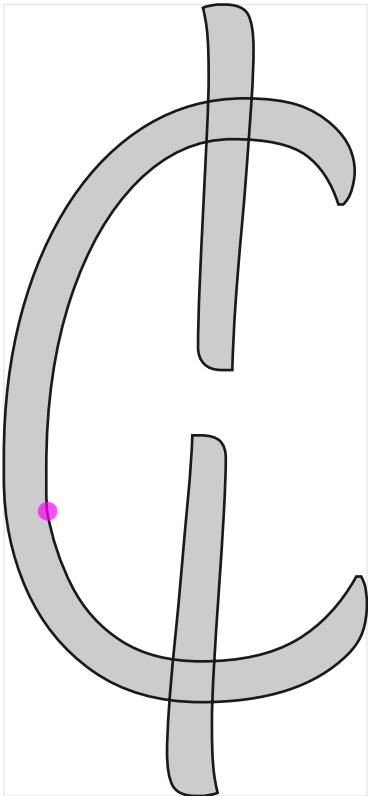
”



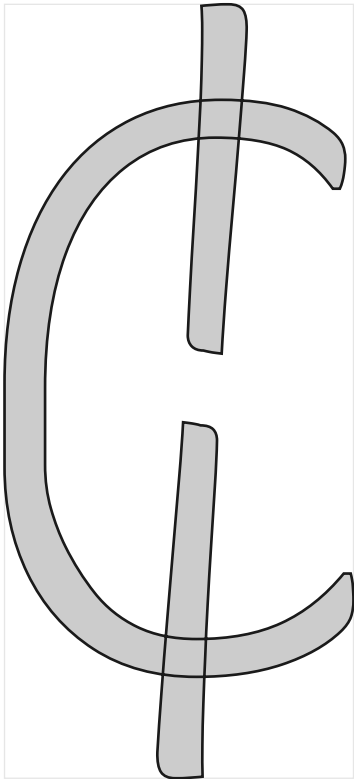
midway interpolation



'CASL=1.0'



proposed fix

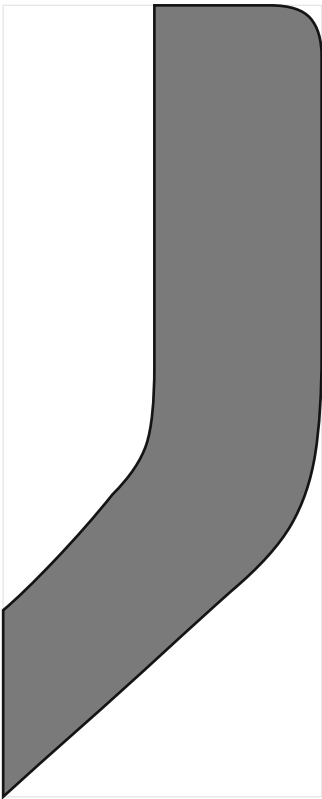


# Glyph name: horncombo

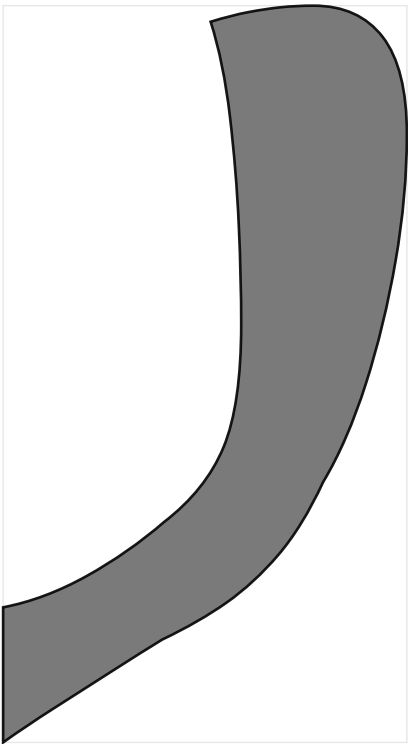
tolerance: 0.86

Problems: underweight

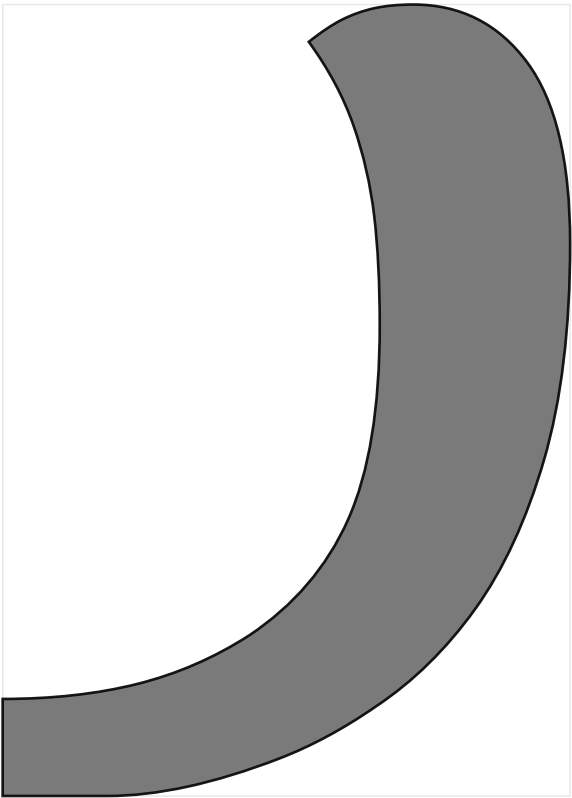
”



midway interpolation

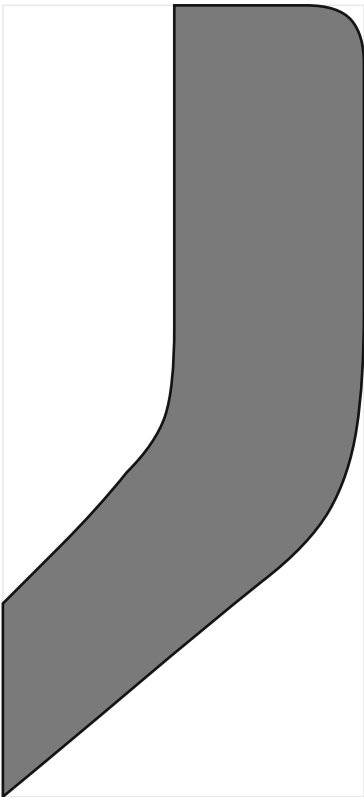


'CASL=1.0'

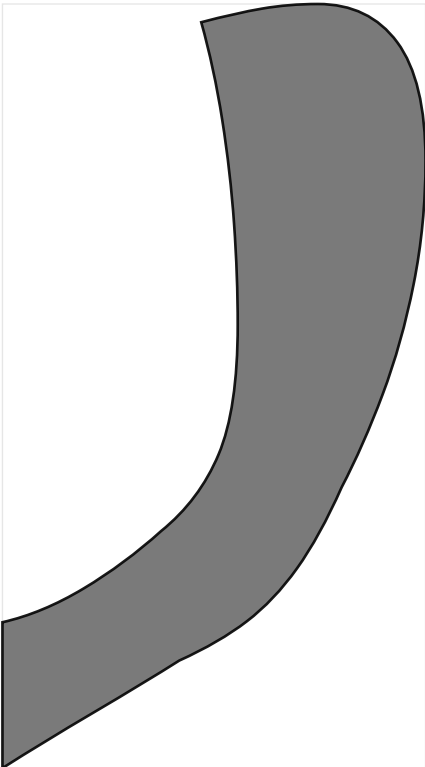


Problems: underweight

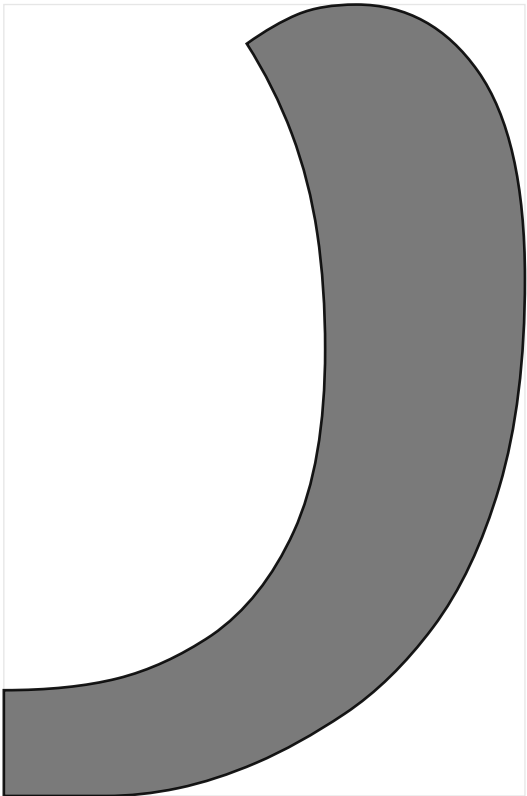
”



midway interpolation

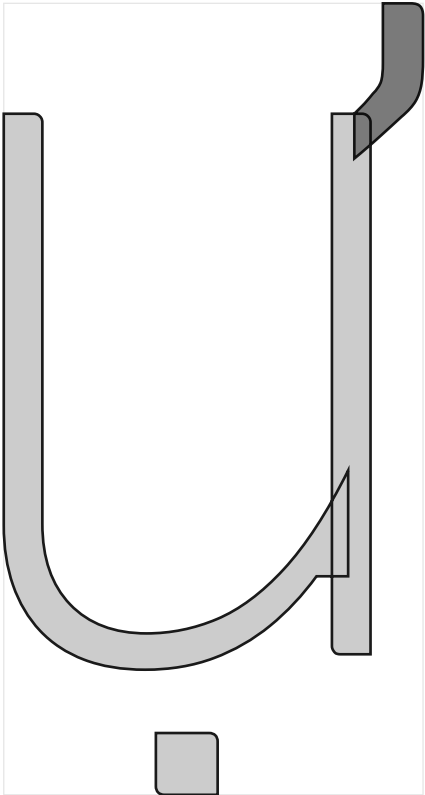


'CASL=1.0'

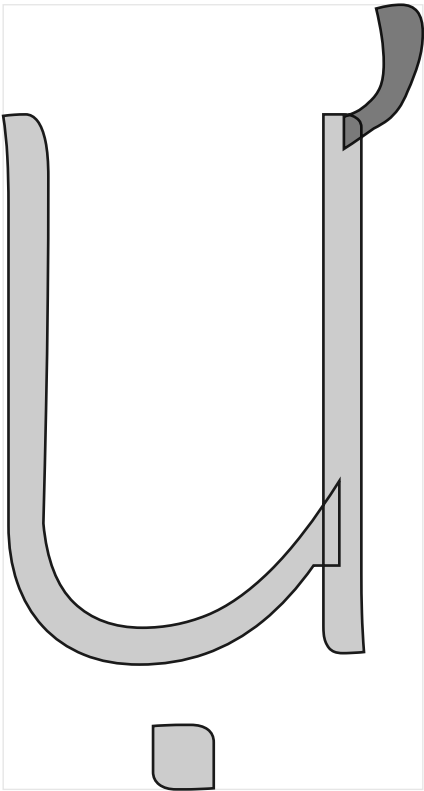


Problems: underweight

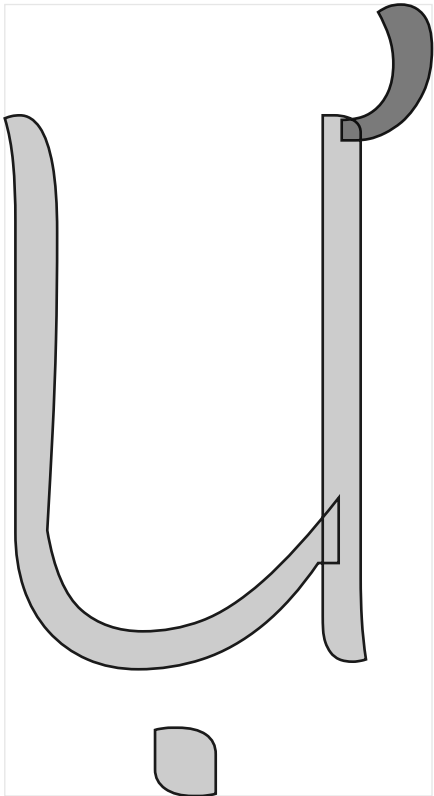
”



midway interpolation



'CASL=1.0'

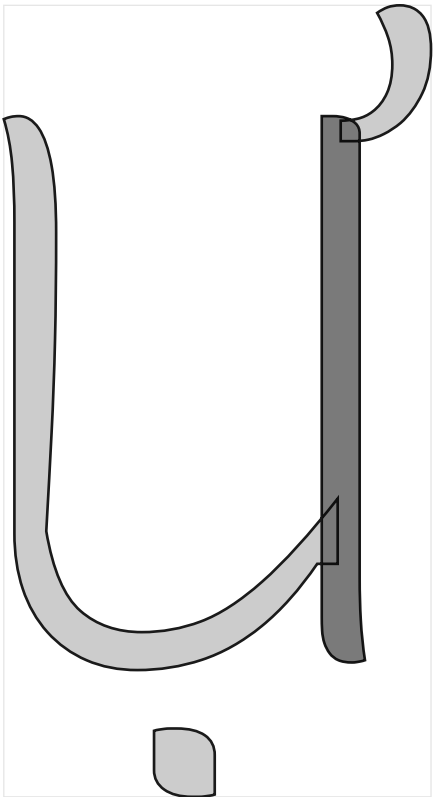


# Glyph name: uni1EF0

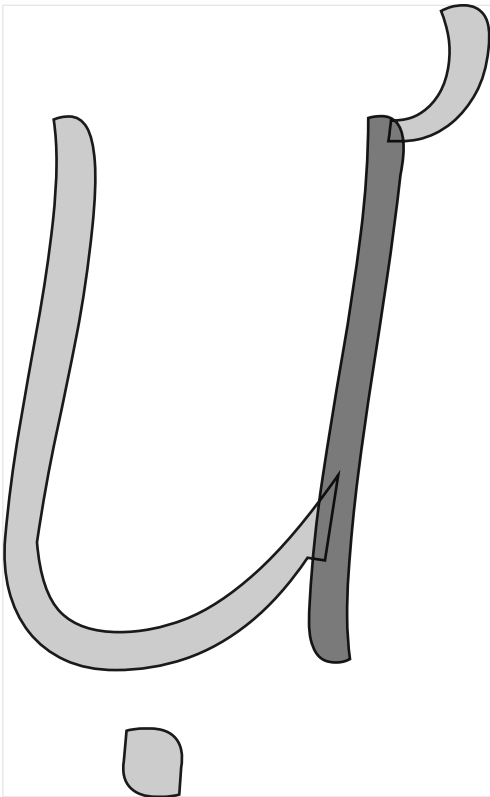
tolerance: 0.91

Problems: underweight

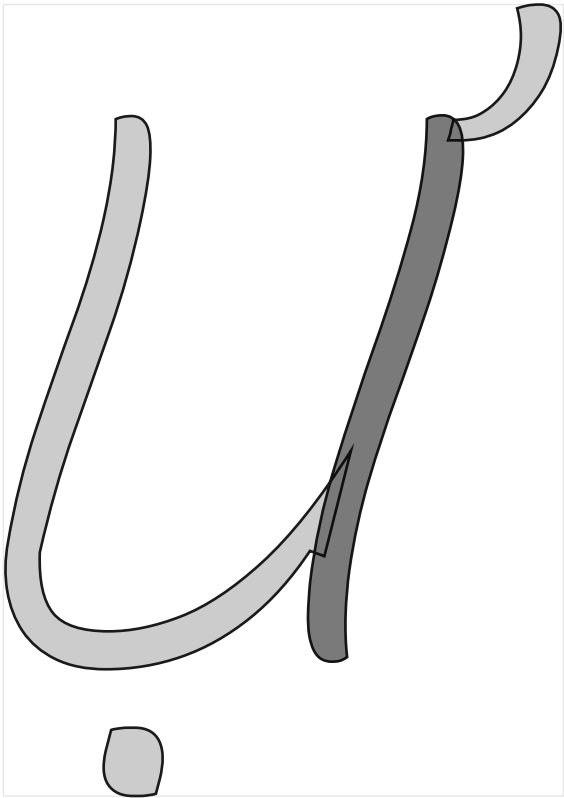
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

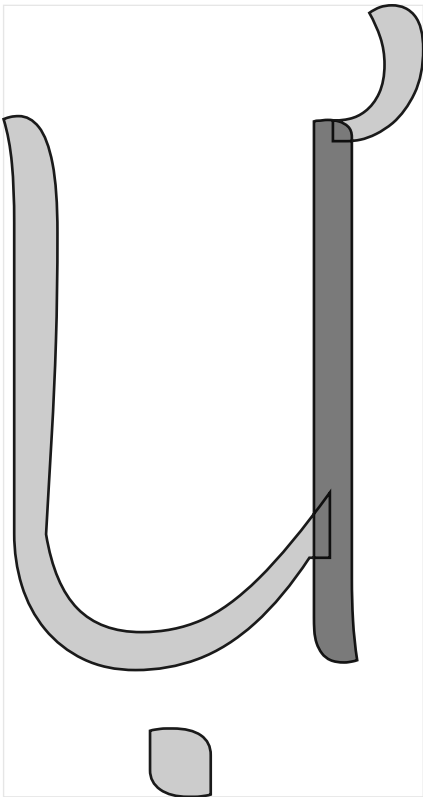


# Glyph name: uni1EF0

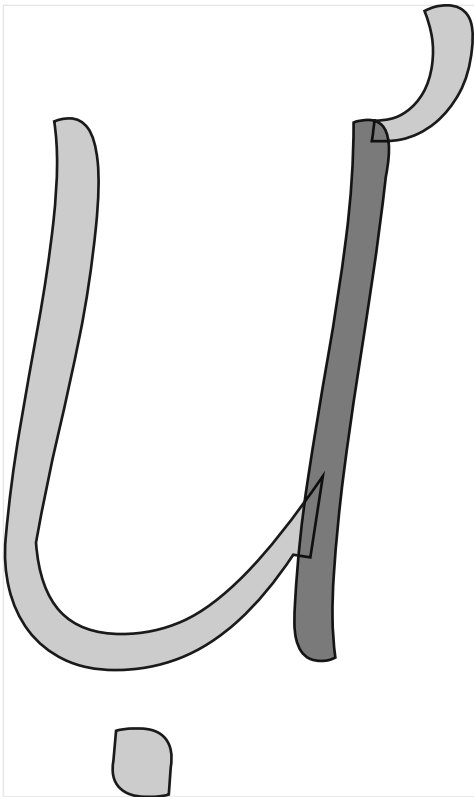
tolerance: 0.91

Problems: underweight

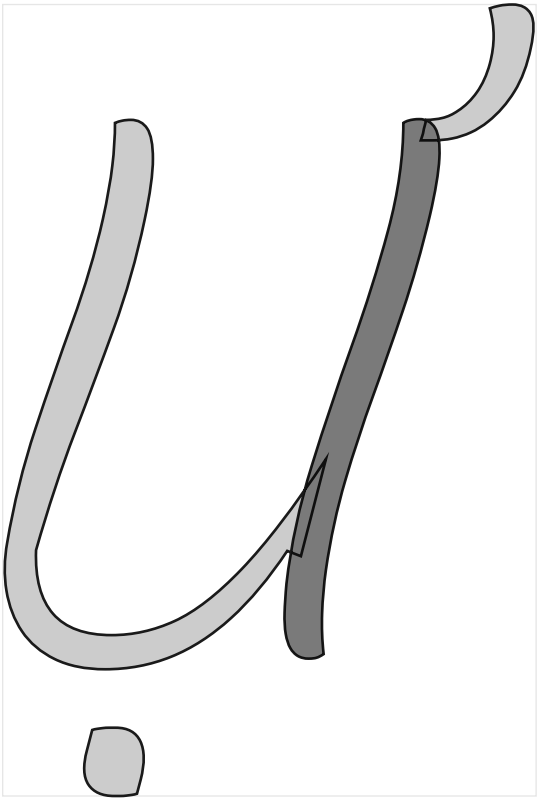
'CASL=1.0 MONO=1.0'



midway interpolation

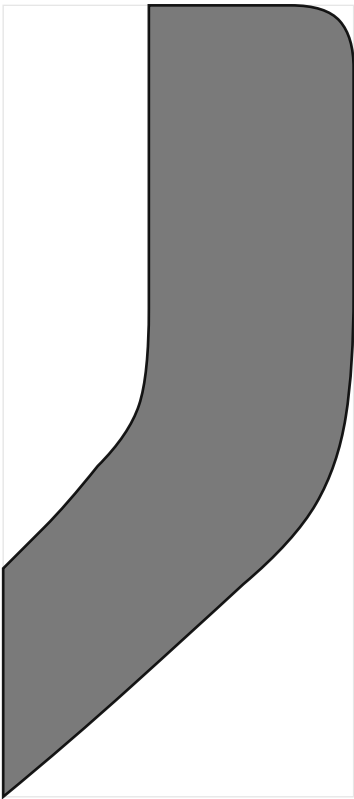


'CASL=1.0 MONO=1.0 slnt=-14.0497'

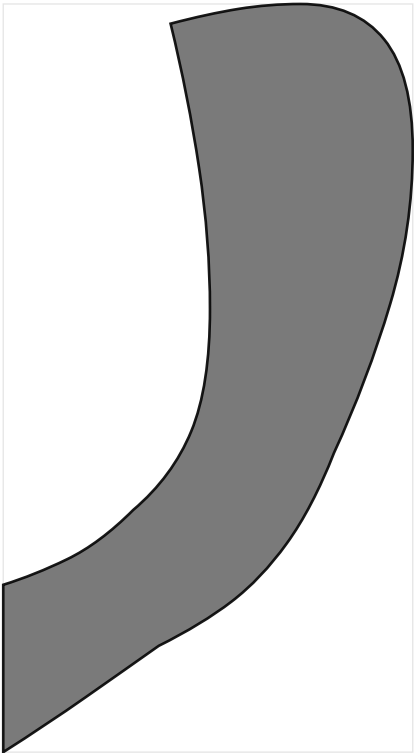


Problems: underweight

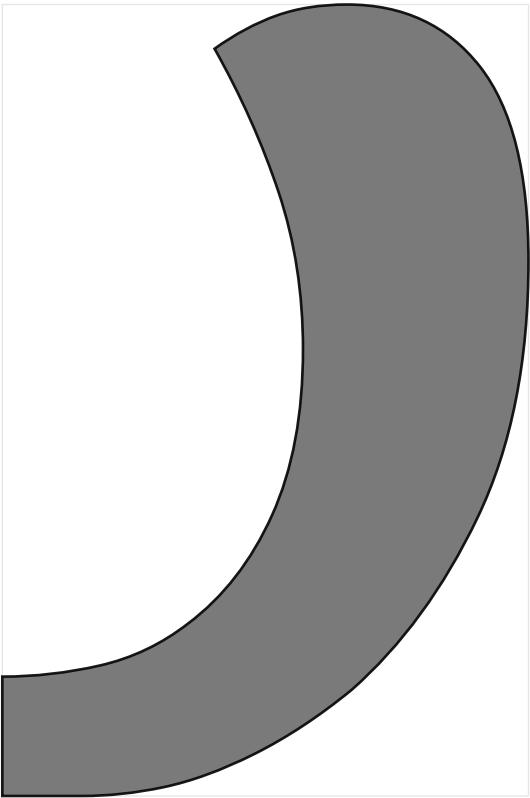
”



midway interpolation



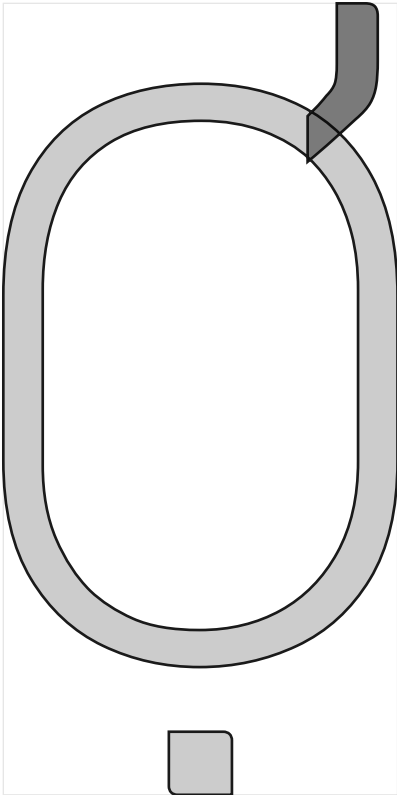
'CASL=1.0'



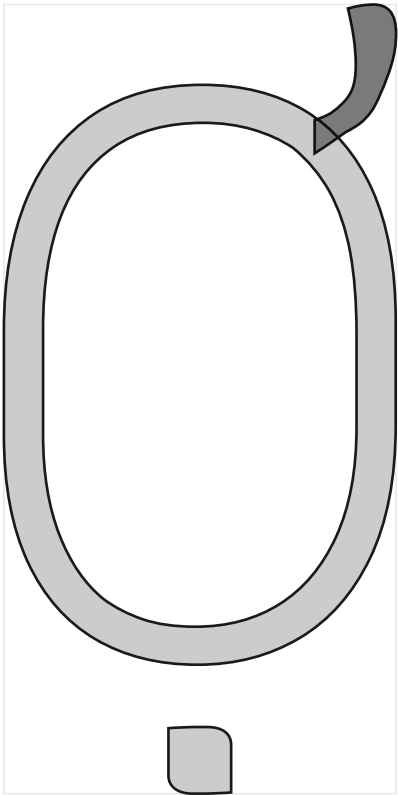


Problems: underweight

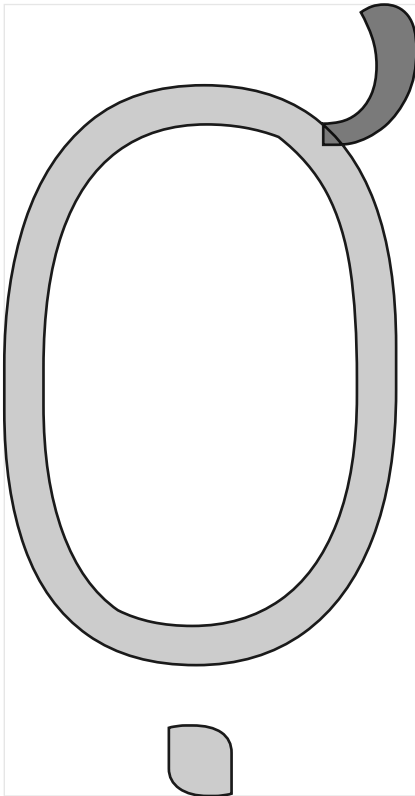
”



midway interpolation

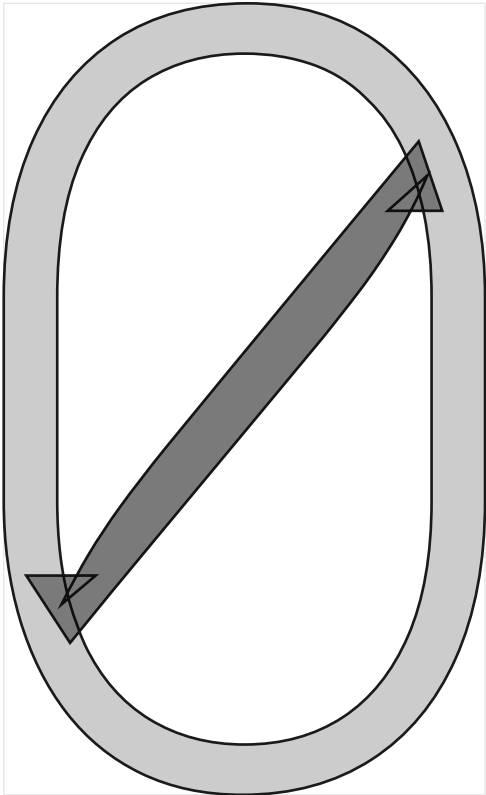


'CASL=1.0'

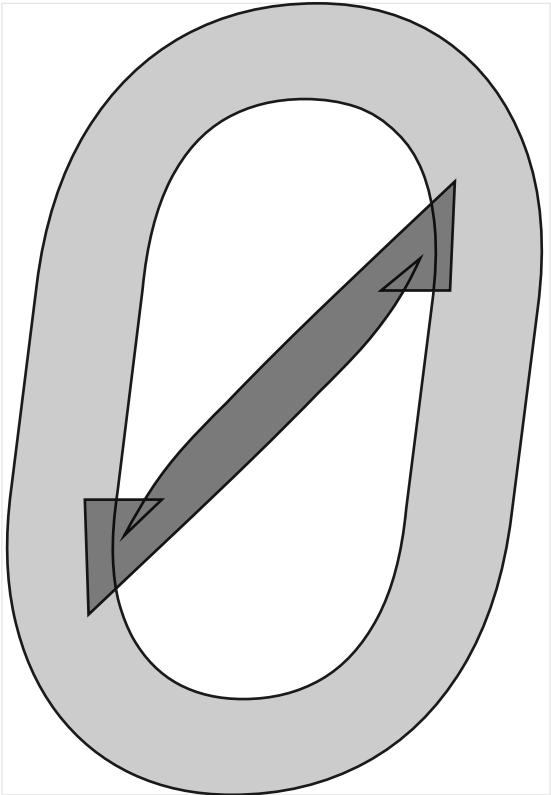


Problems: underweight

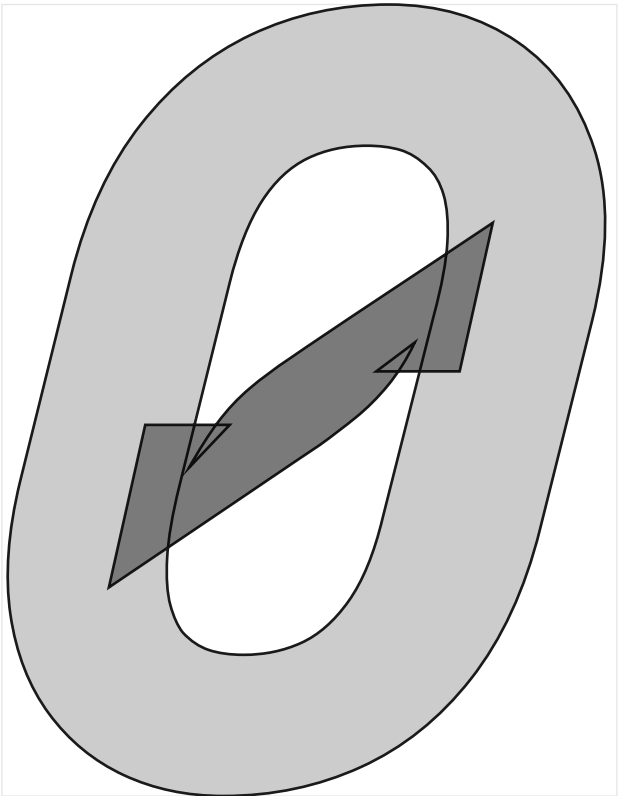
”



midway interpolation



'MONO=1.0 slnt=-14.0497 wght=800.0061'

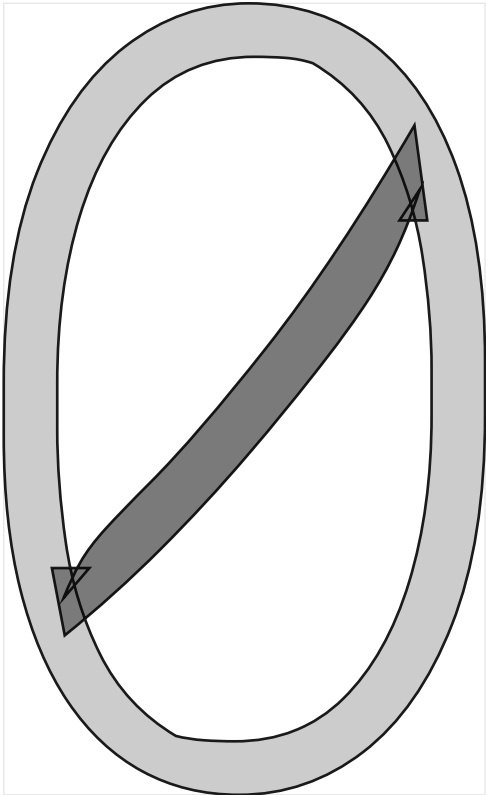


# Glyph name: zero.pnum

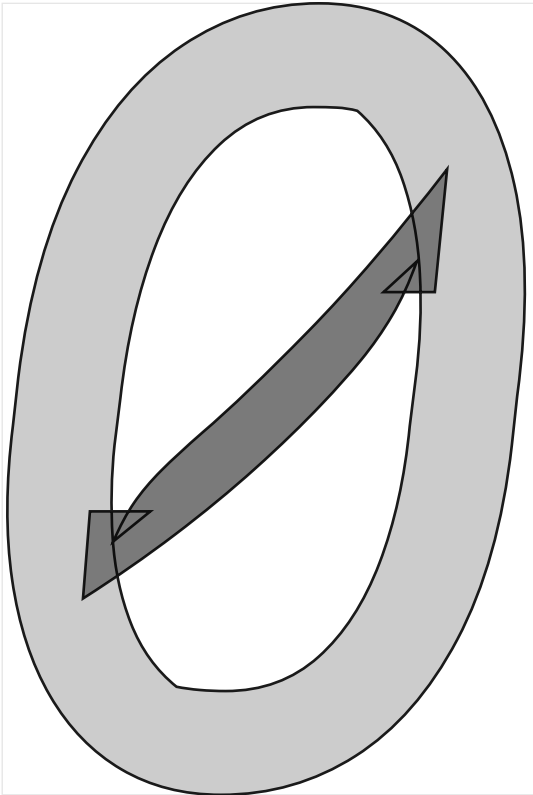
tolerance: 0.90

Problems: underweight

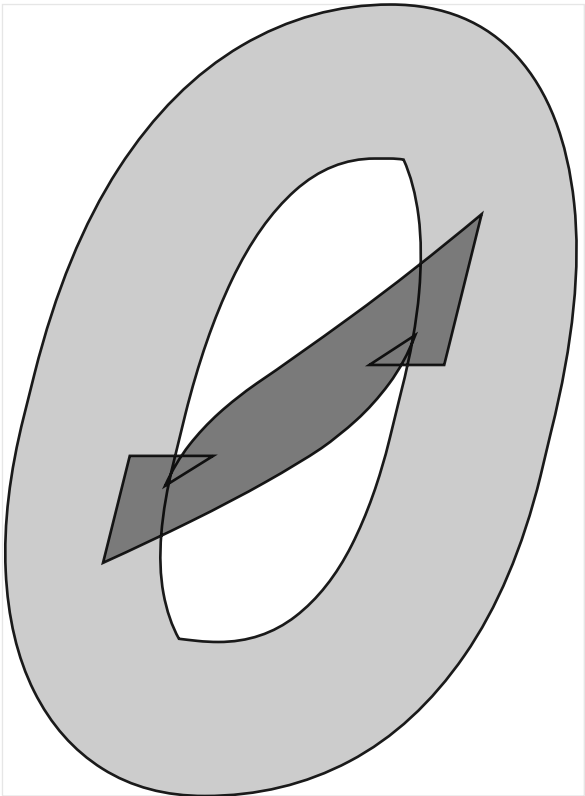
'CASL=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497 wght=800.0061'

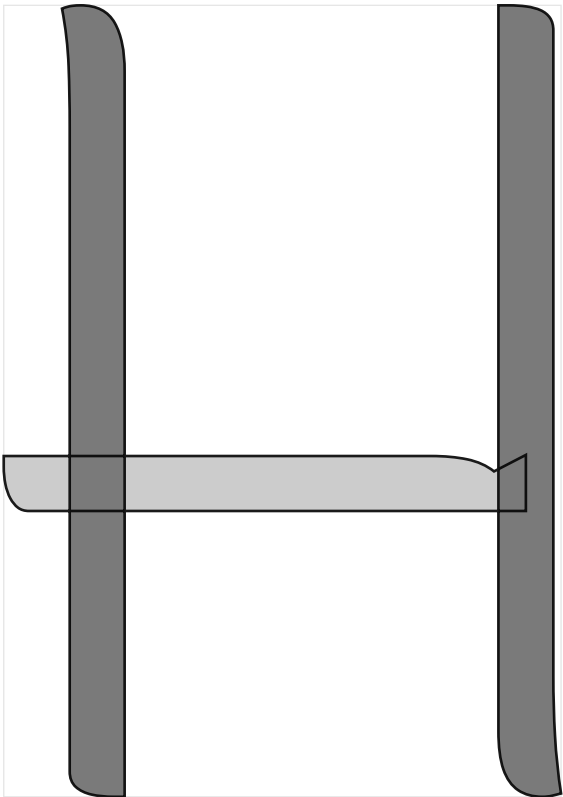


# Glyph name: H

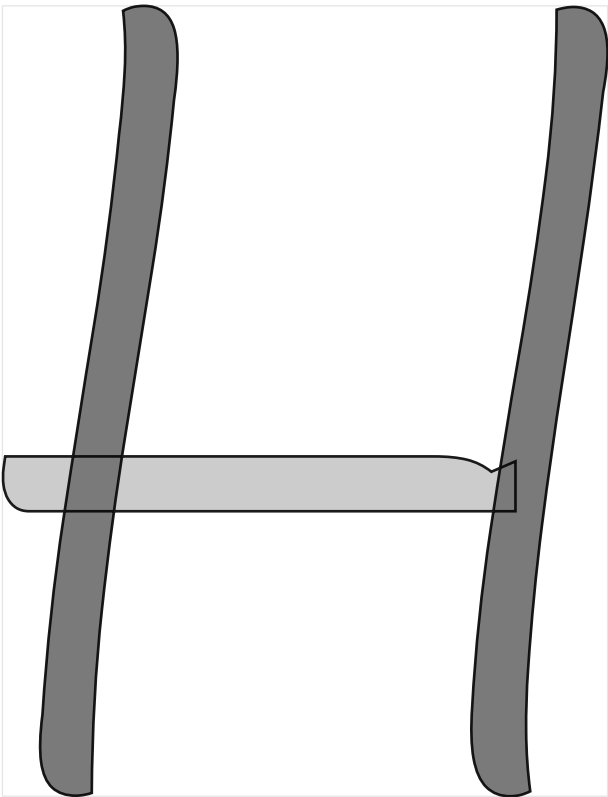
tolerance: 0.90

Problems: underweight

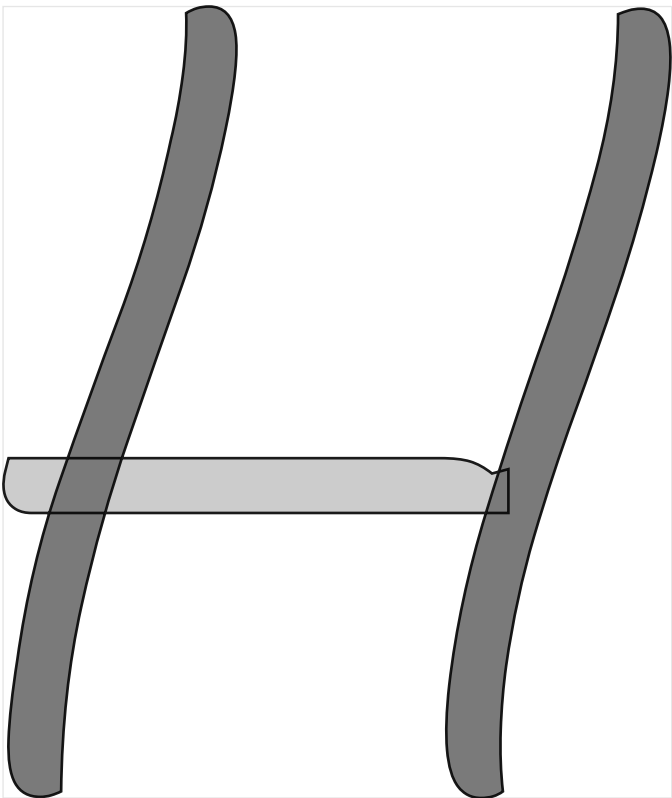
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

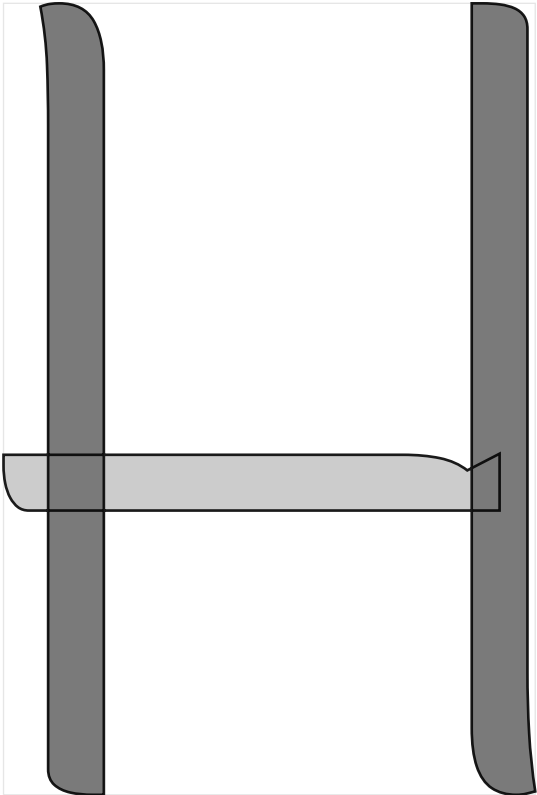


# Glyph name: H

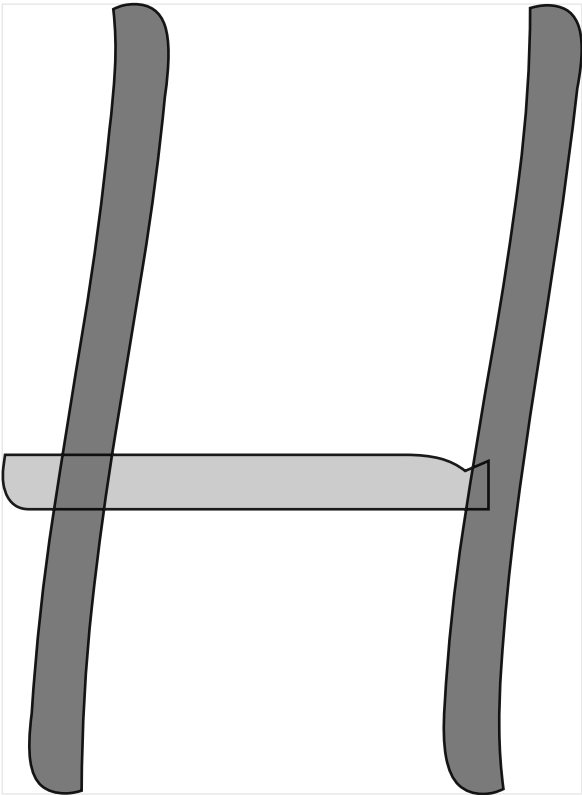
tolerance: 0.91

Problems: underweight

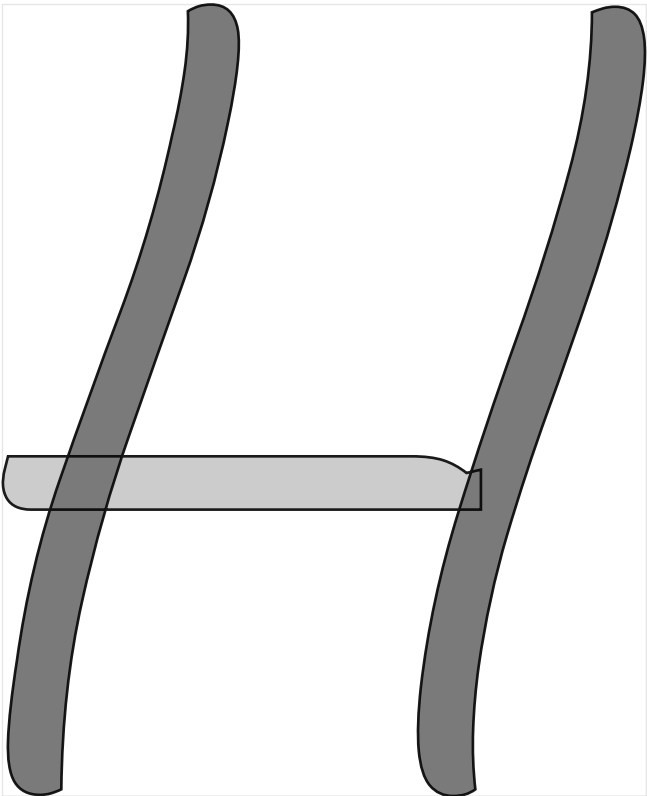
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

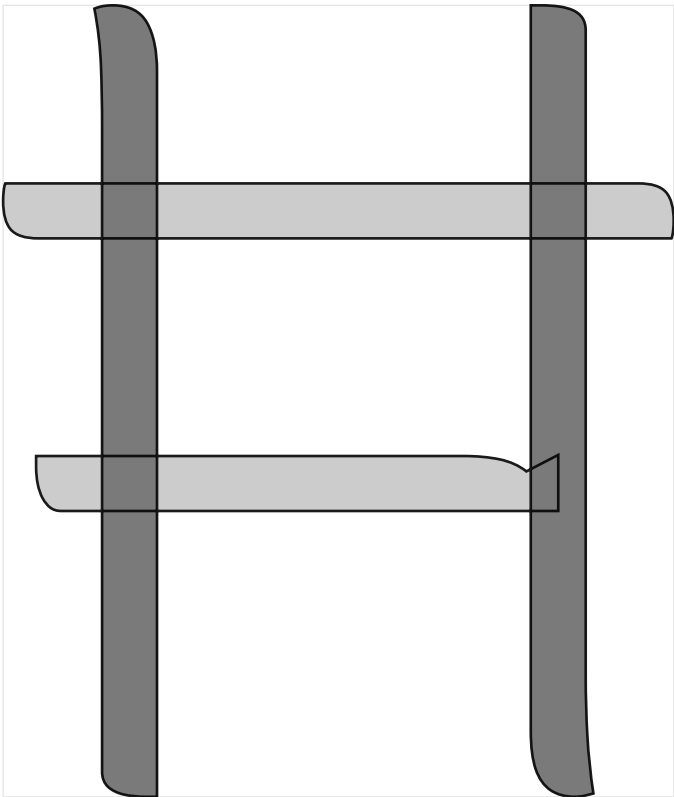


Glyph name: Hbar

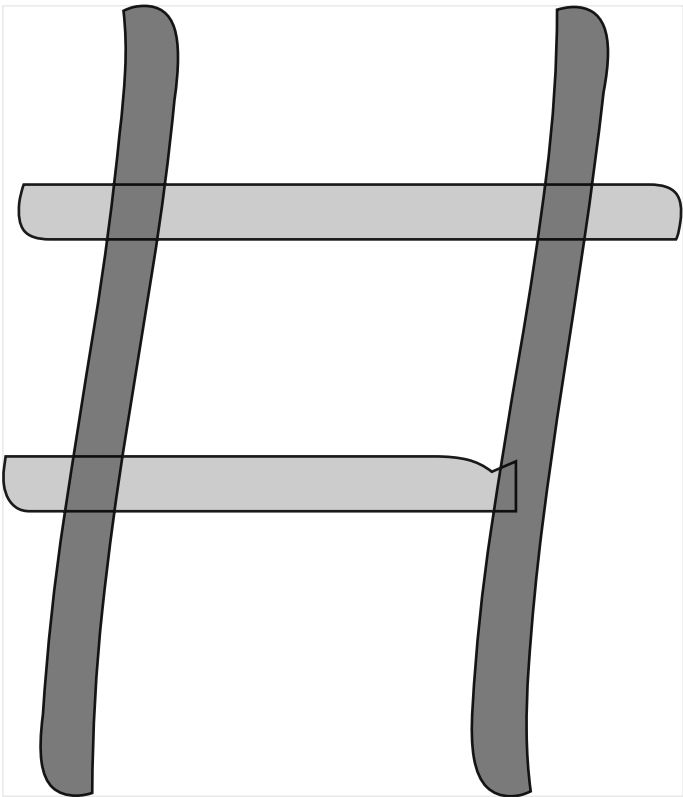
tolerance: 0.90

Problems: underweight

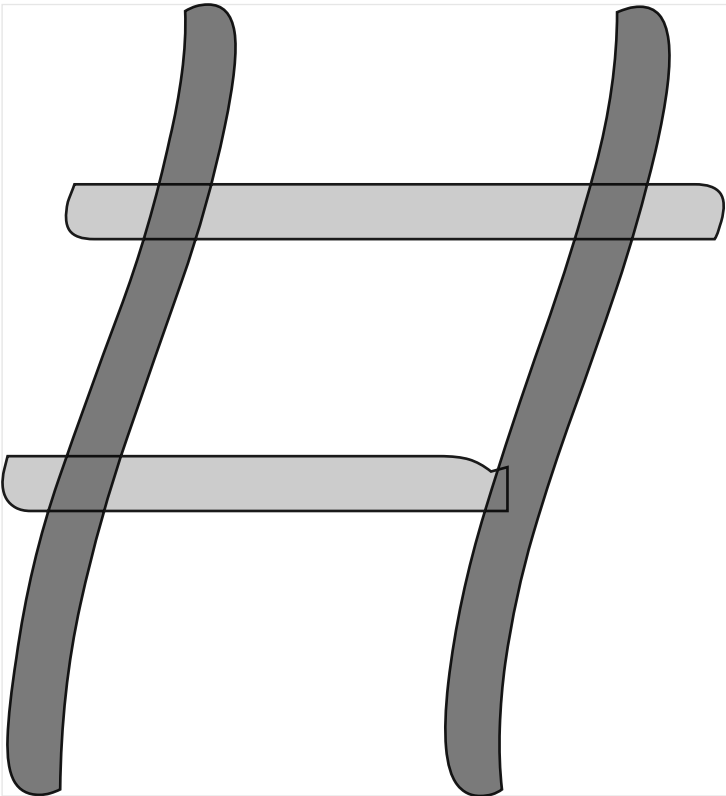
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

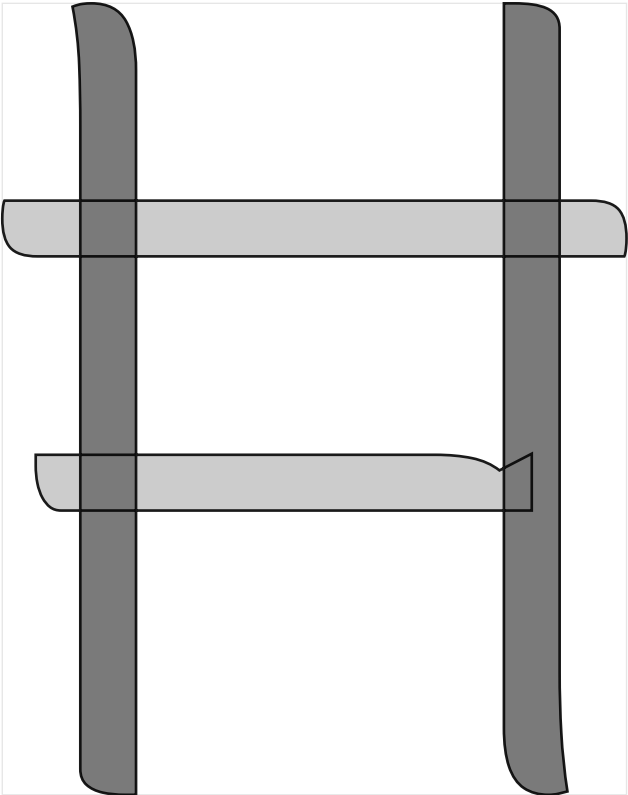


# Glyph name: Hbar

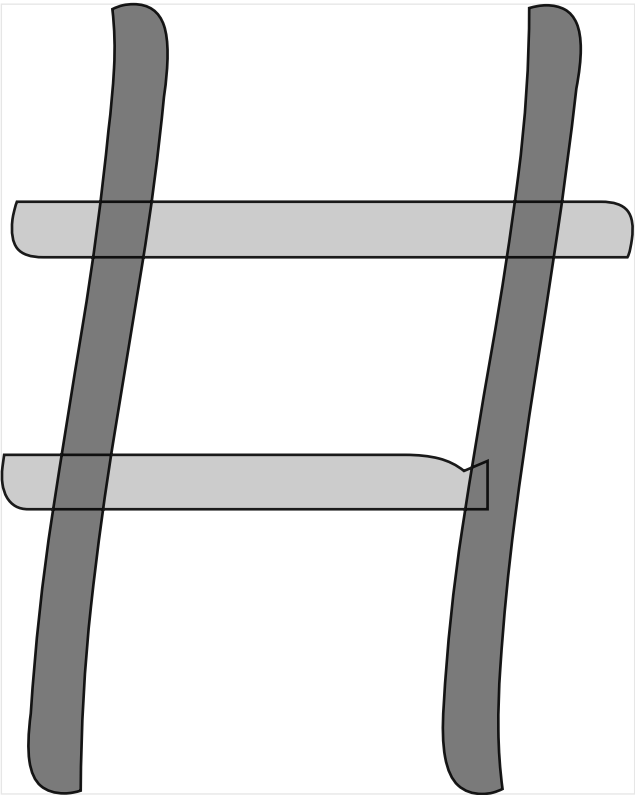
tolerance: 0.91

Problems: underweight

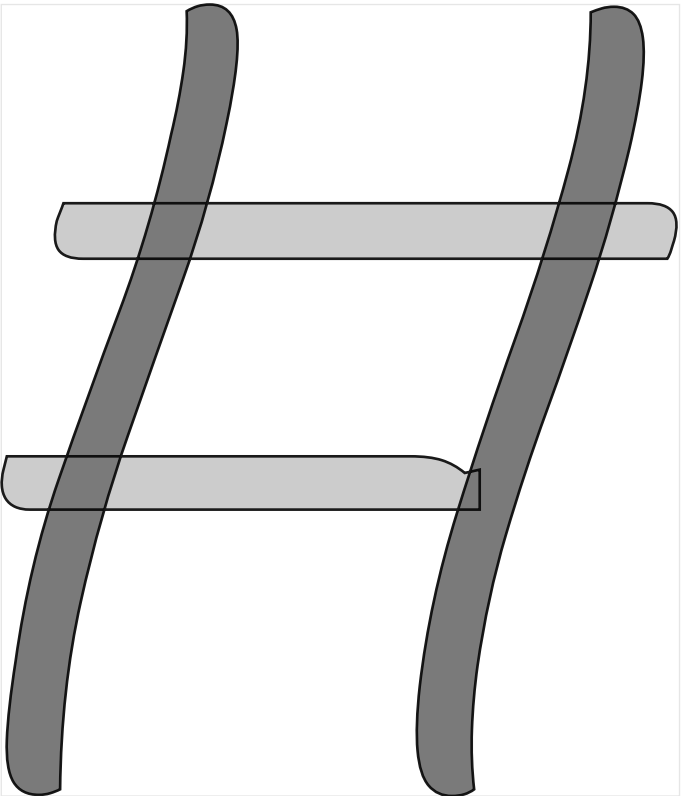
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

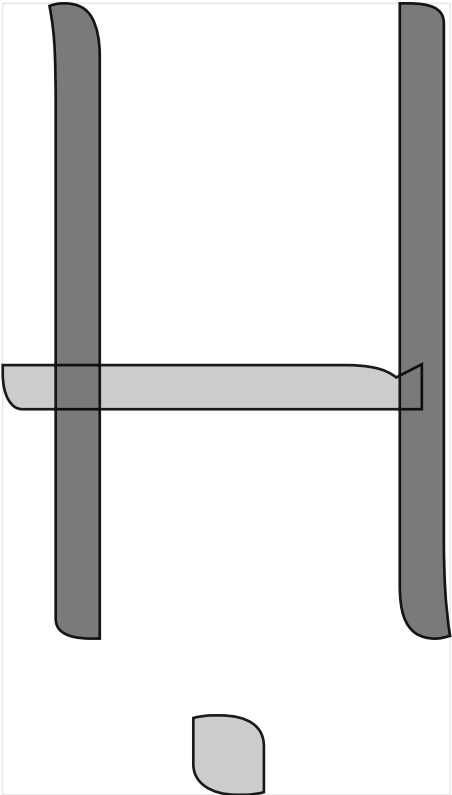


# Glyph name: uni1E24

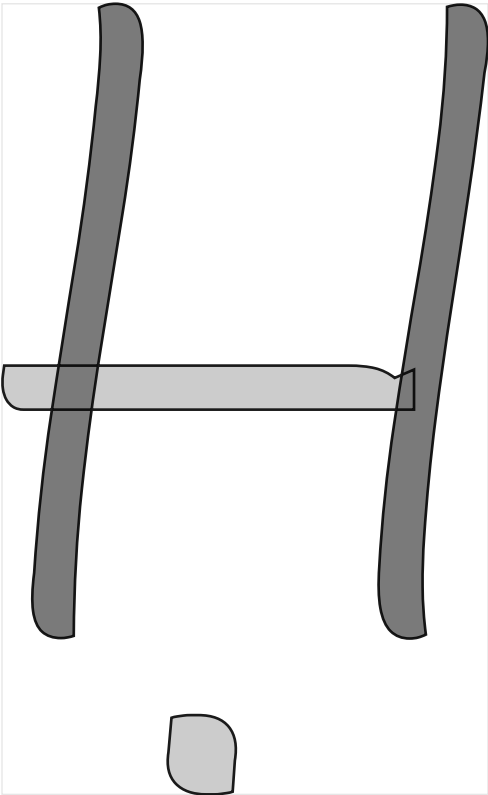
tolerance: 0.90

Problems: underweight

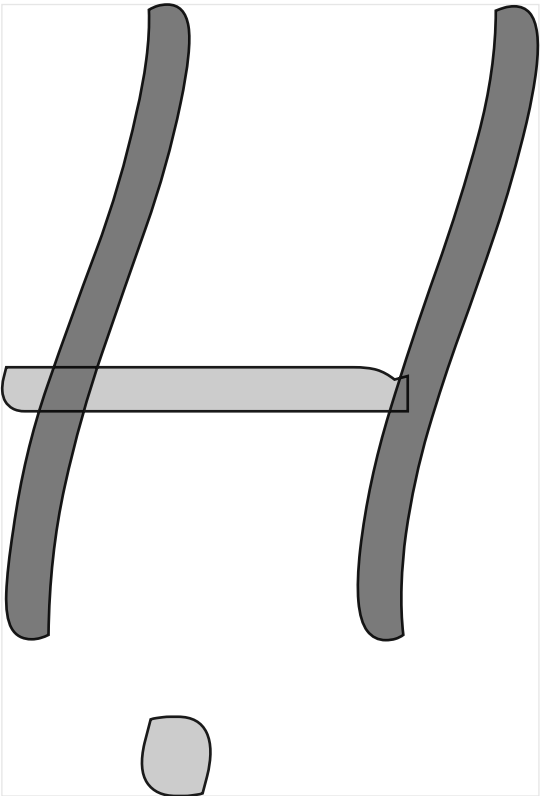
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'



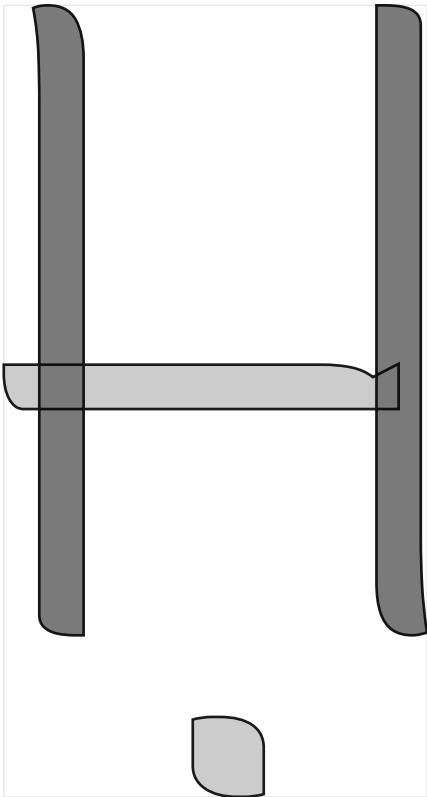


# Glyph name: uni1E24

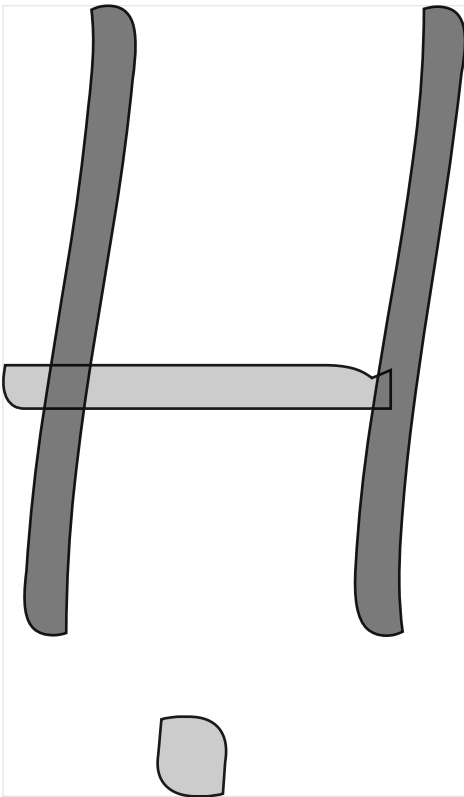
tolerance: 0.91

Problems: underweight

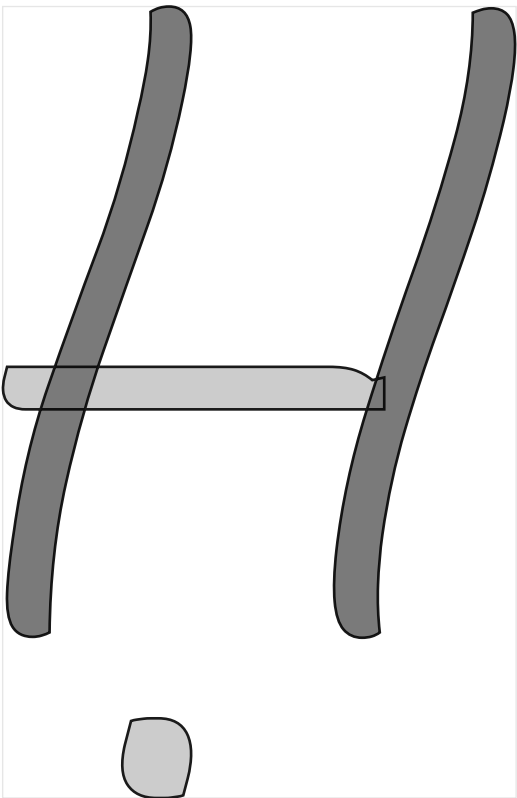
'CASL=1.0 MONO=1.0'



midway interpolation

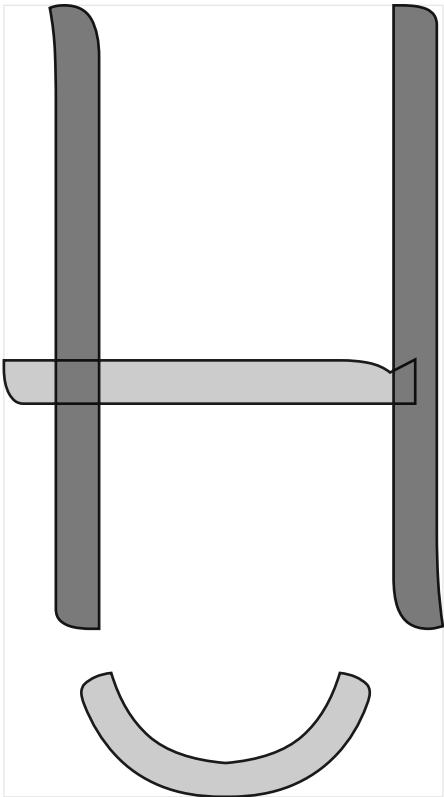


'CASL=1.0 MONO=1.0 slnt=-14.0497'

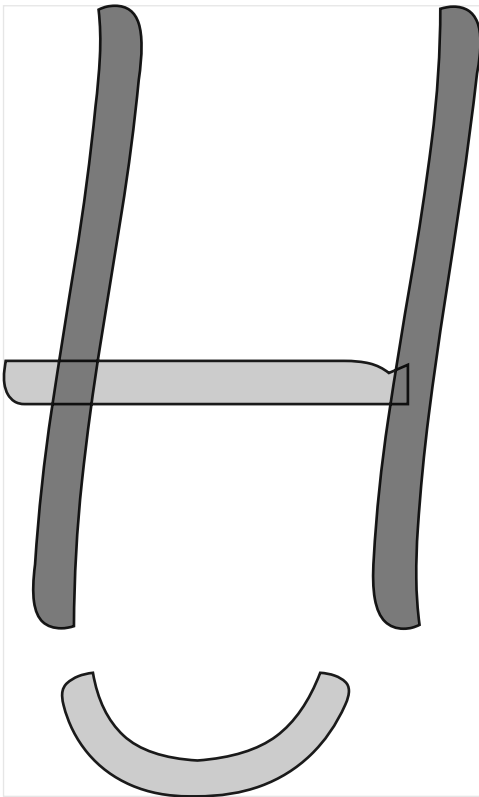


Problems: underweight

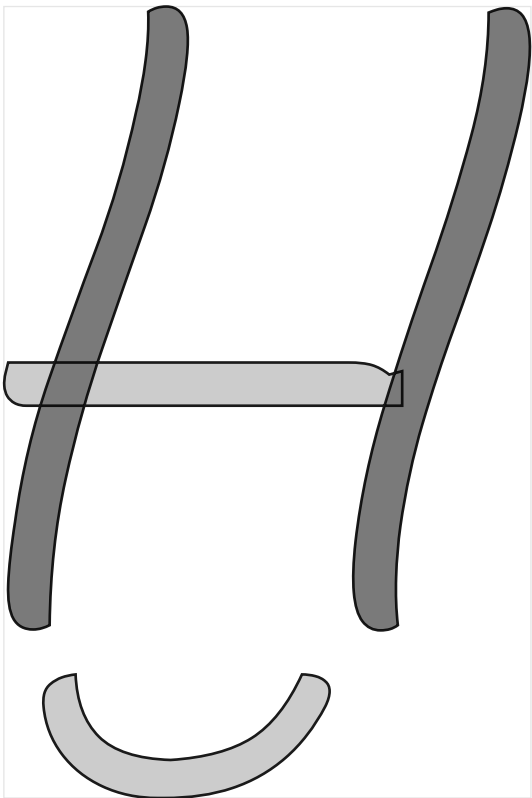
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

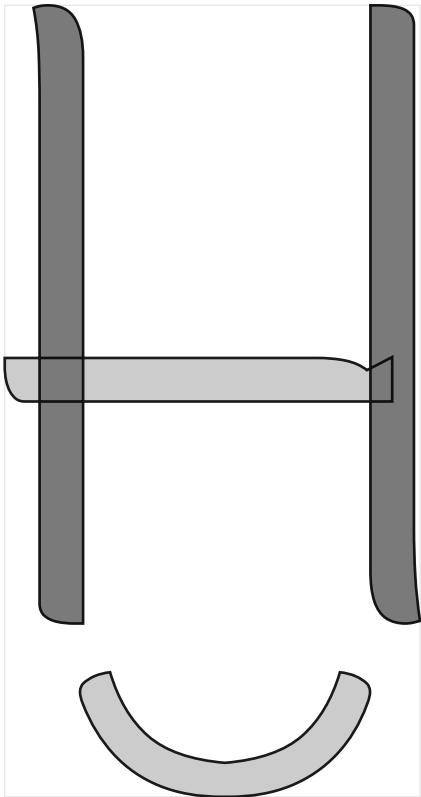


# Glyph name: uni1E2A

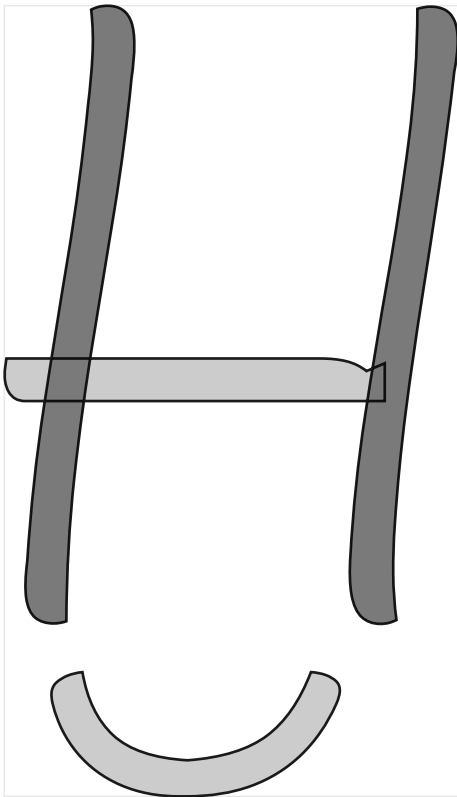
tolerance: 0.91

Problems: underweight

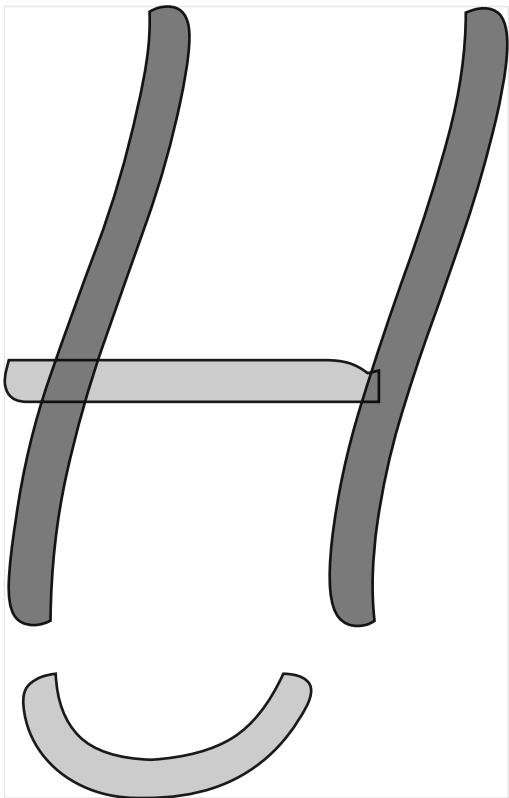
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

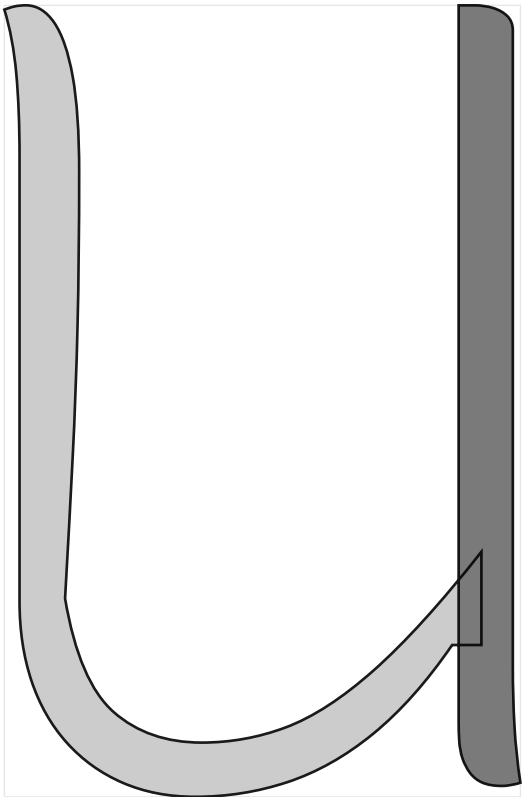


# Glyph name: U

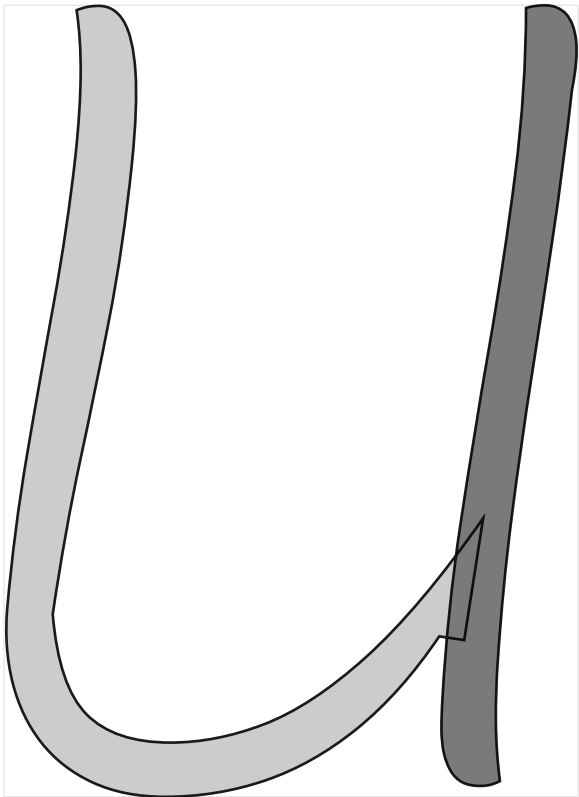
tolerance: 0.91

Problems: underweight

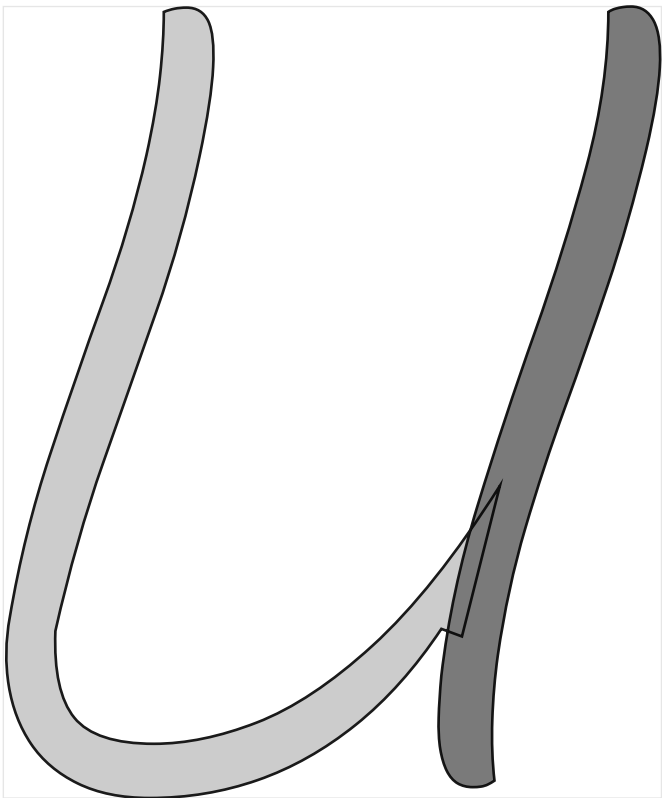
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

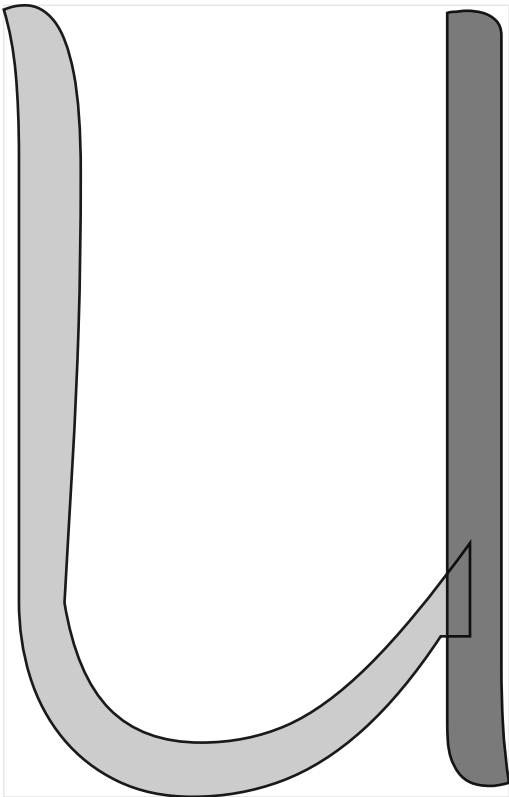


# Glyph name: U

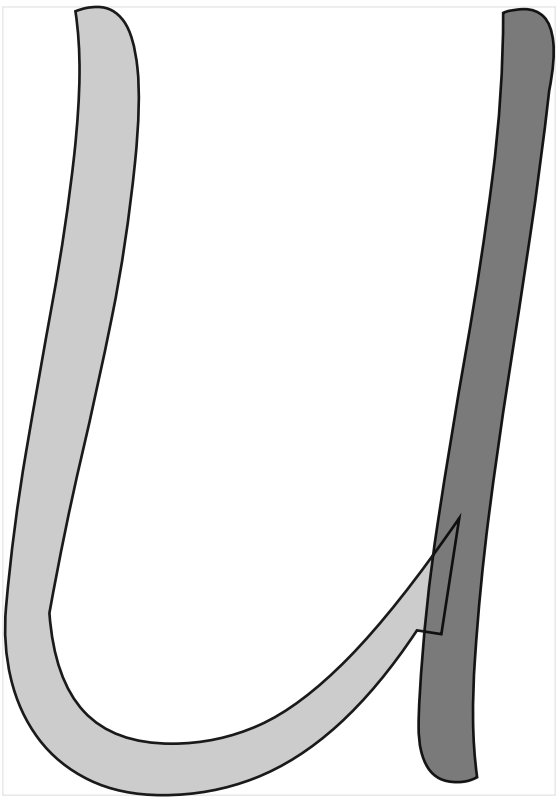
tolerance: 0.91

Problems: underweight

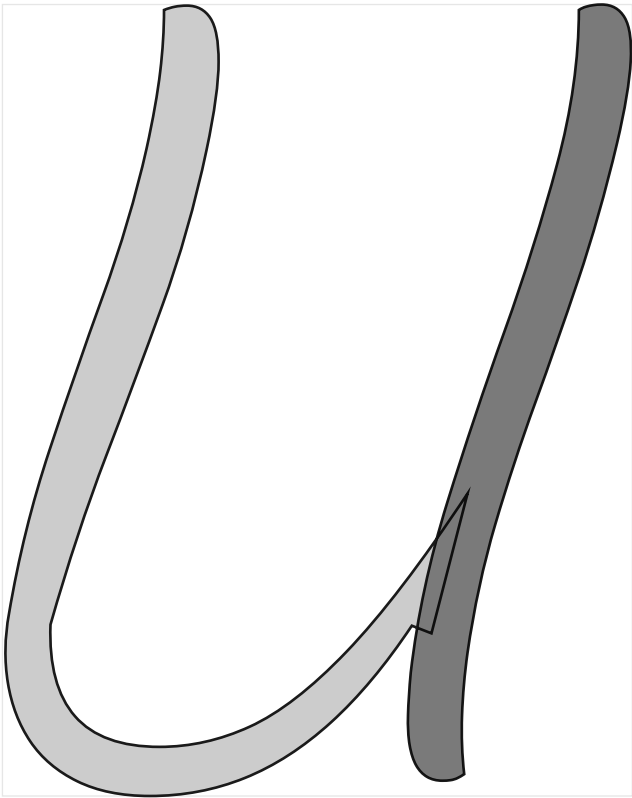
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

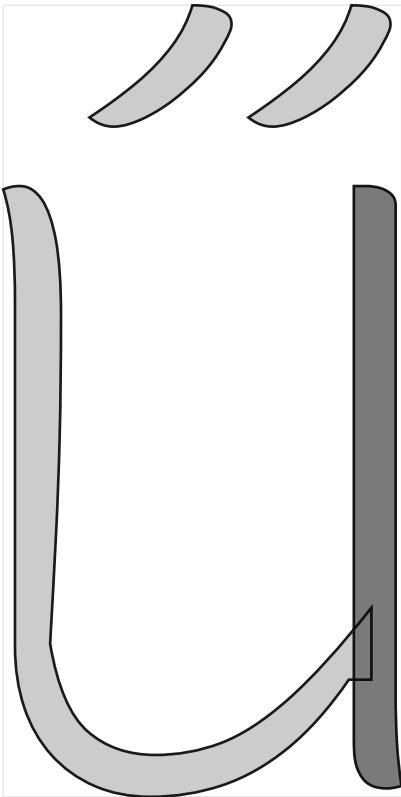


# Glyph name: Uhungarumlaut

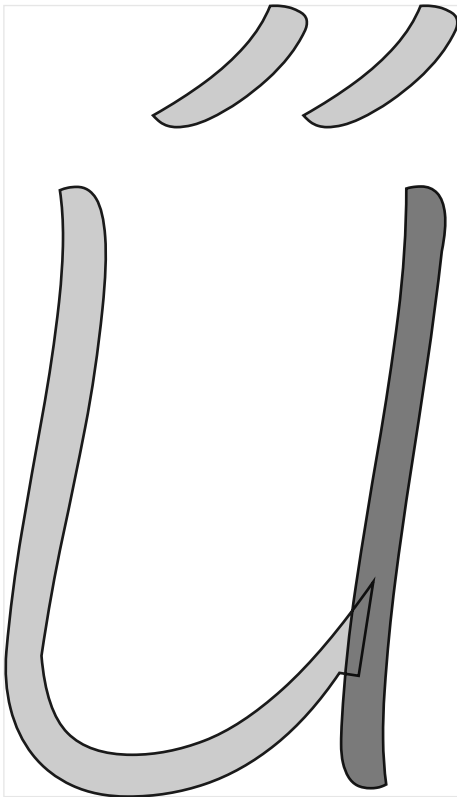
tolerance: 0.91

Problems: underweight

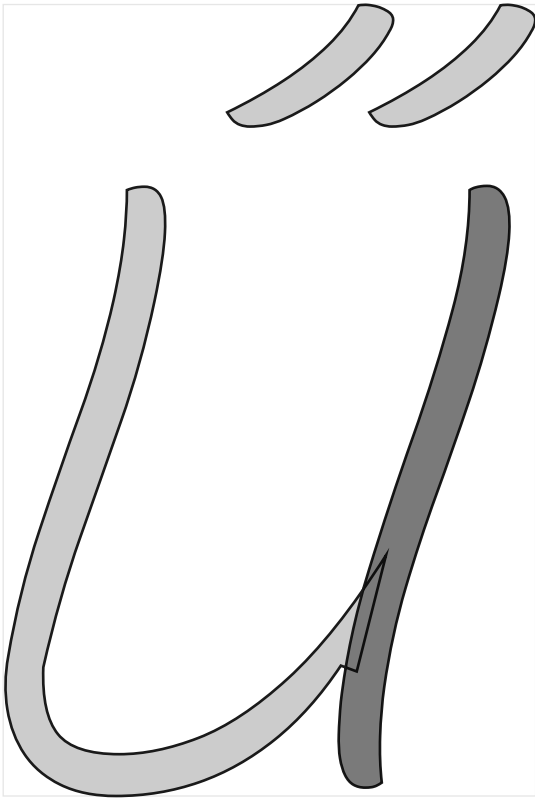
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

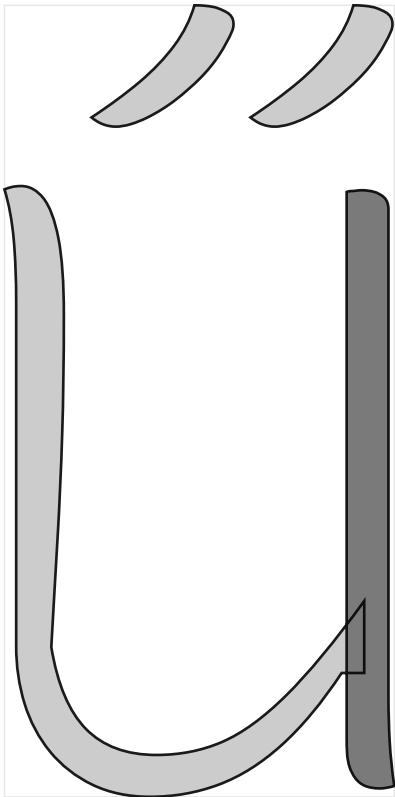


# Glyph name: Uhungarumlaut

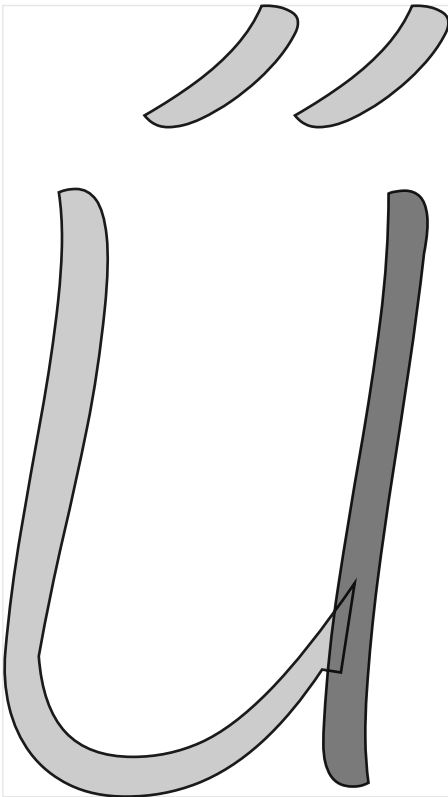
tolerance: 0.91

Problems: underweight

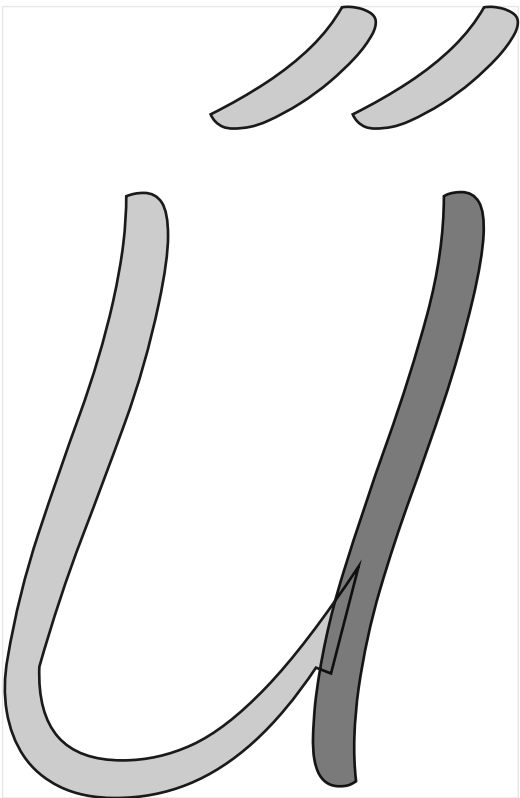
'CASL=1.0 MONO=1.0'



midway interpolation

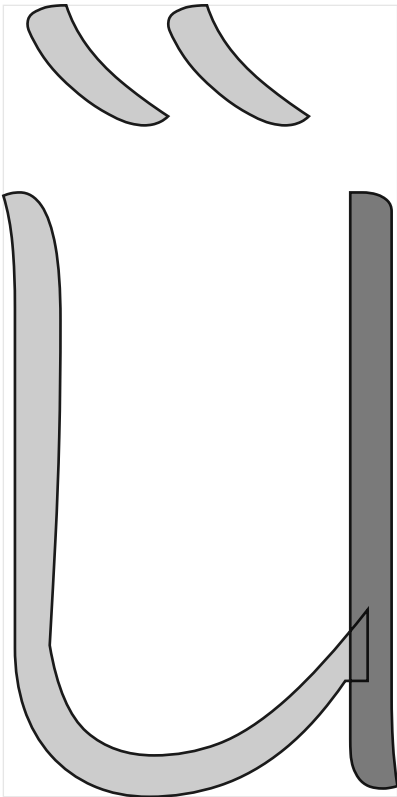


'CASL=1.0 MONO=1.0 slnt=-14.0497'

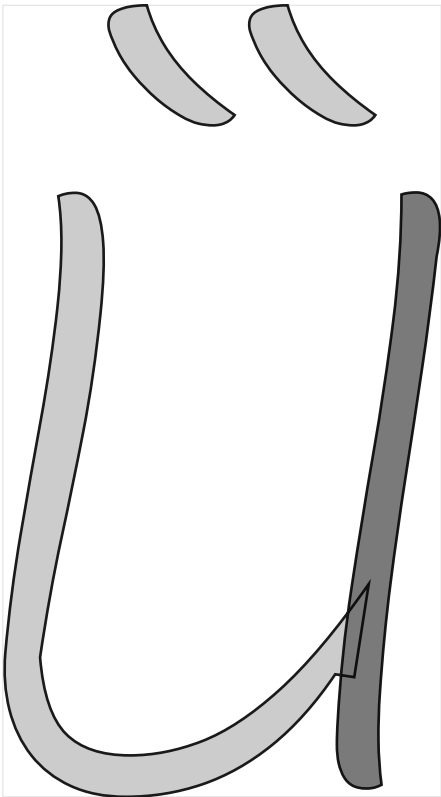


Problems: underweight

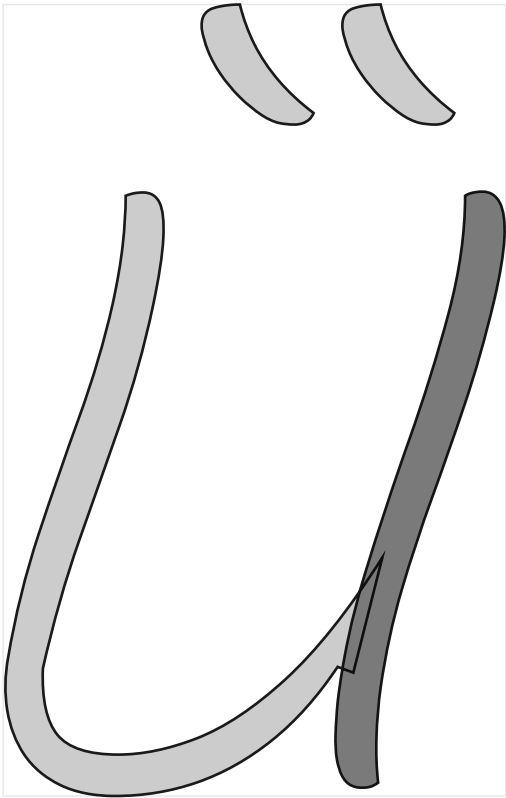
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'



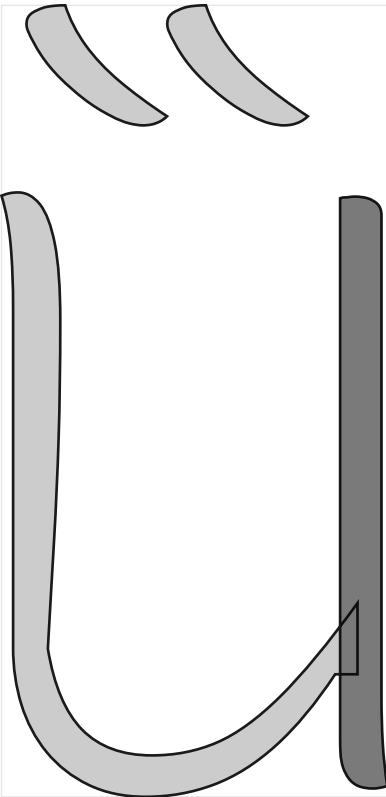


# Glyph name: uni0214

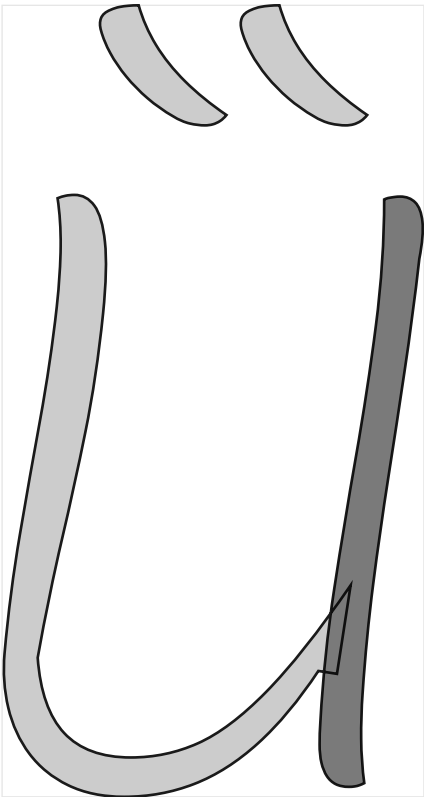
tolerance: 0.91

Problems: underweight

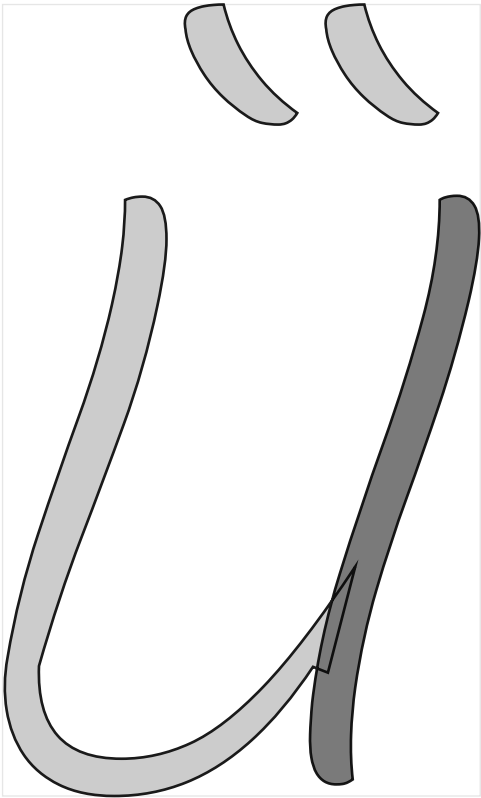
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

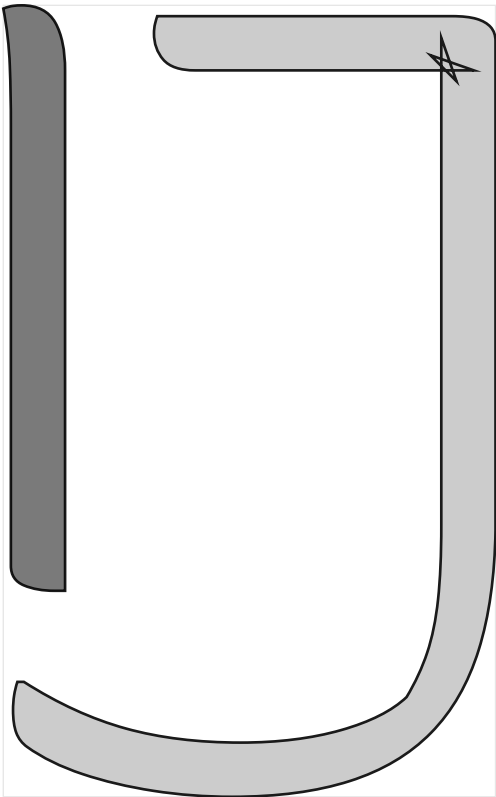


# Glyph name: IJ

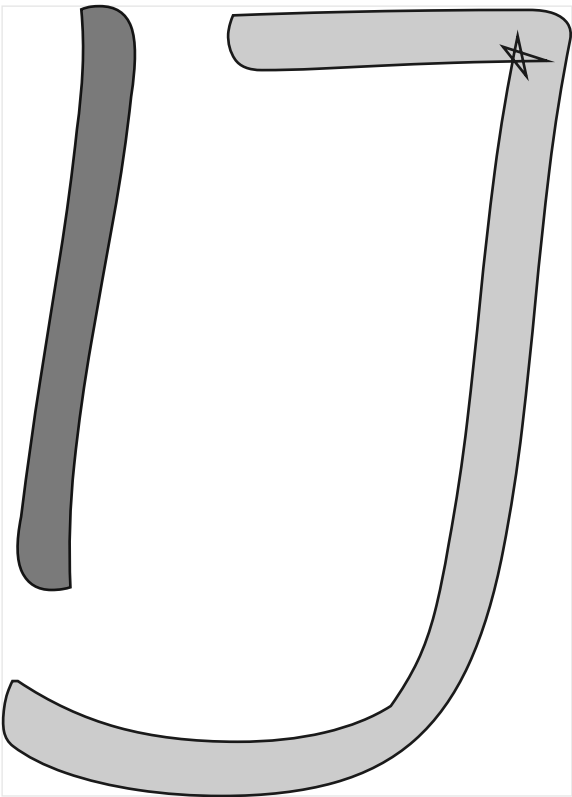
tolerance: 0.91

Problems: underweight

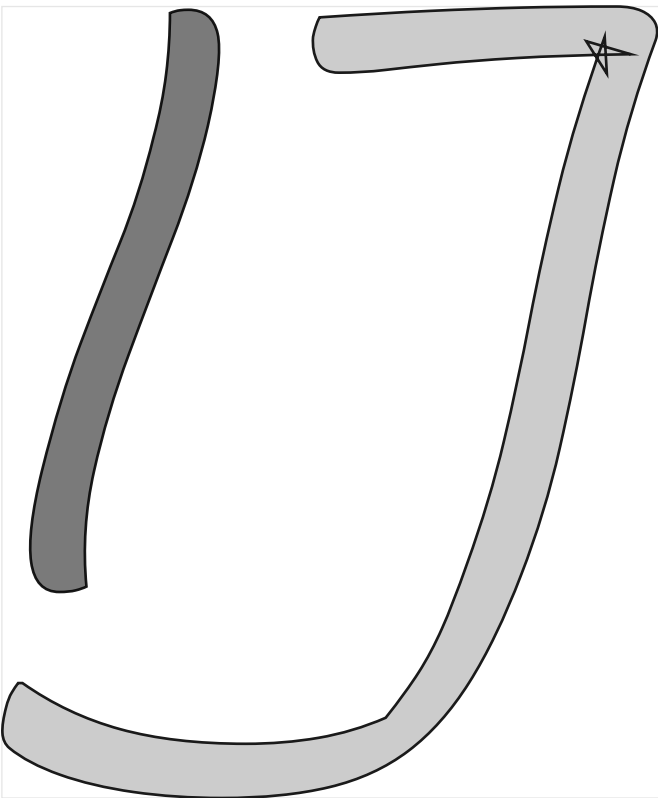
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

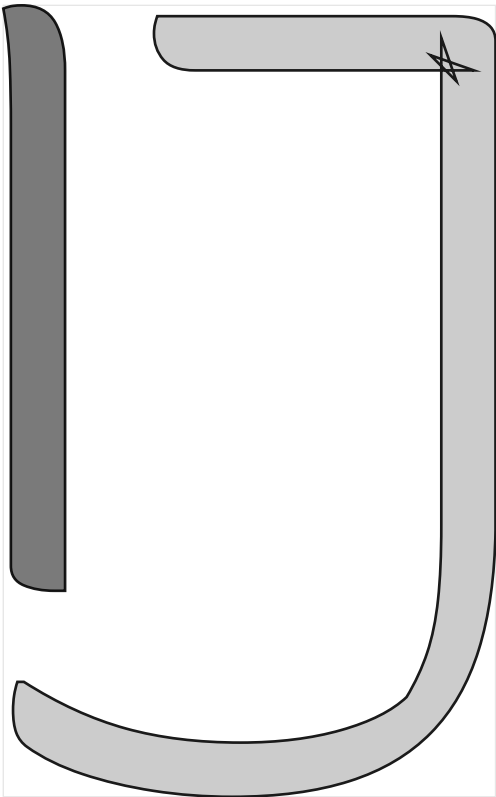


# Glyph name: IJ

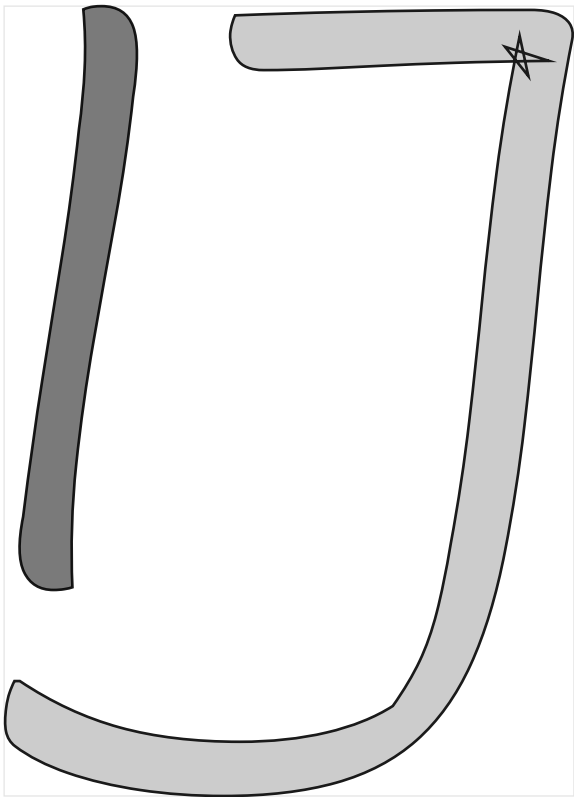
tolerance: 0.91

Problems: underweight

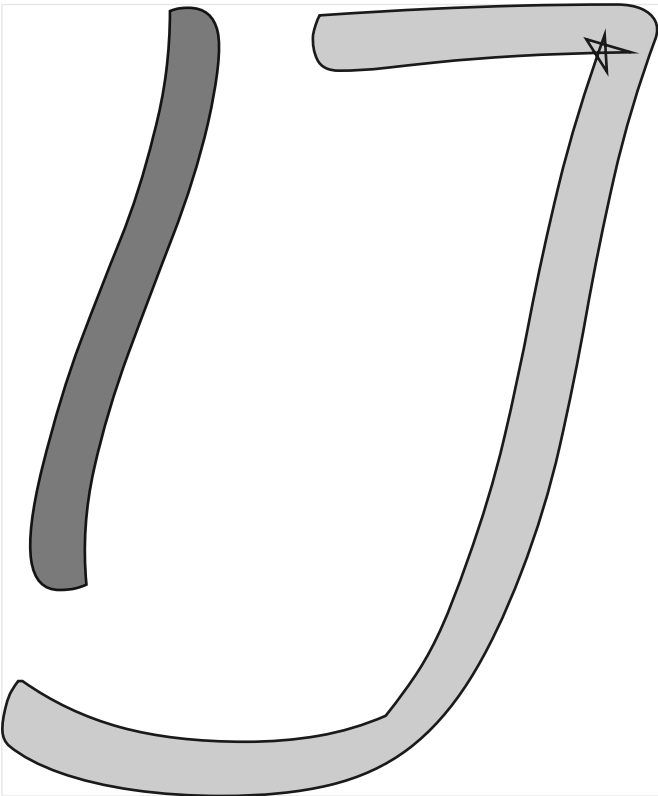
'CASL=1.0 MONO=1.0'



midway interpolation



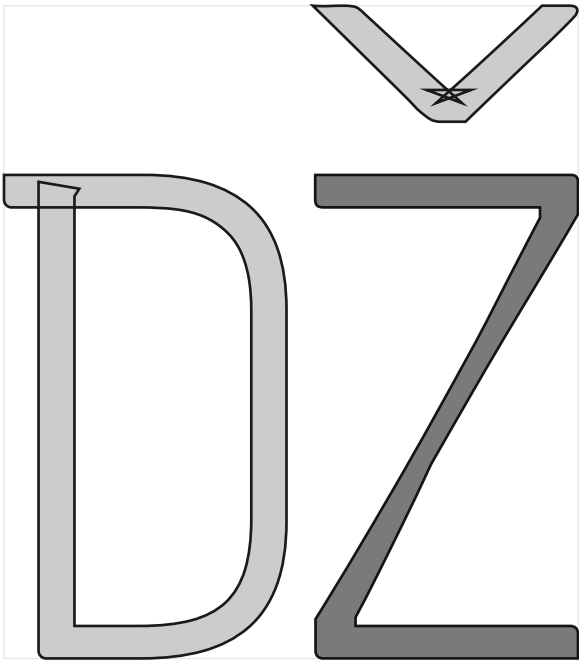
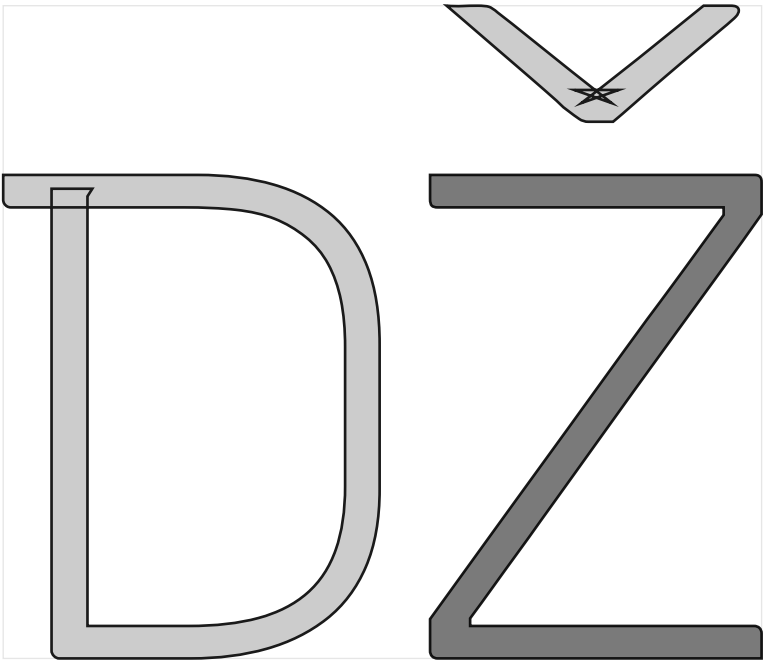
'CASL=1.0 MONO=1.0 slnt=-14.0497'



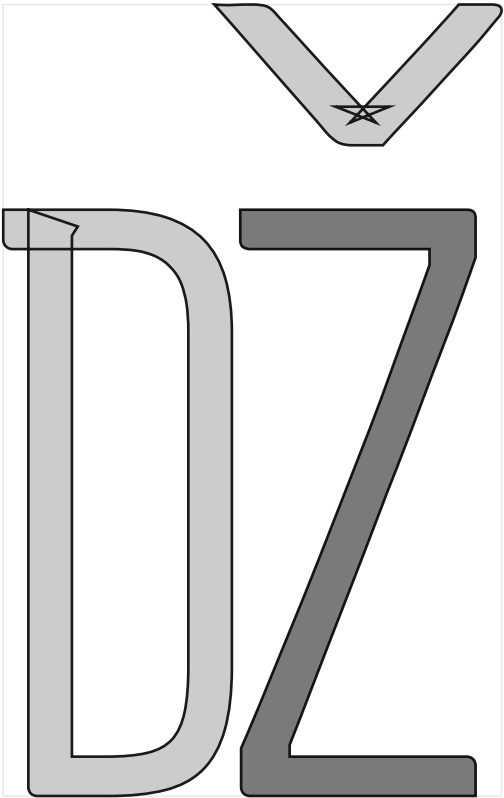
Problems: underweight

”

midway interpolation



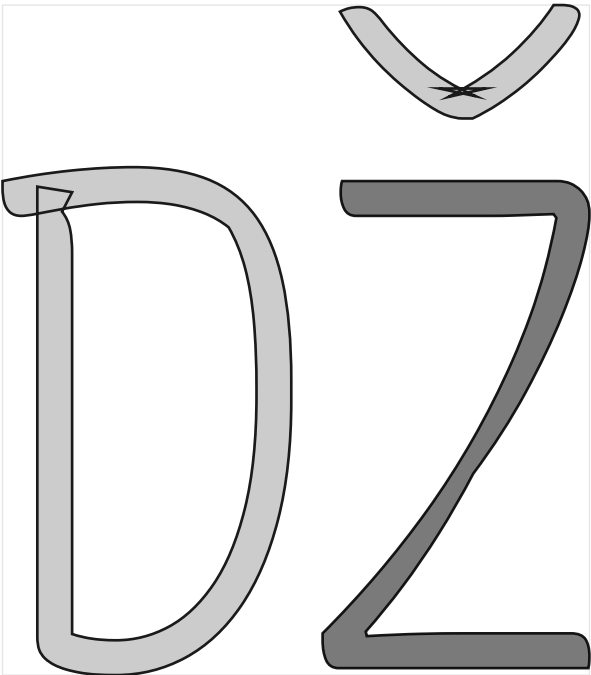
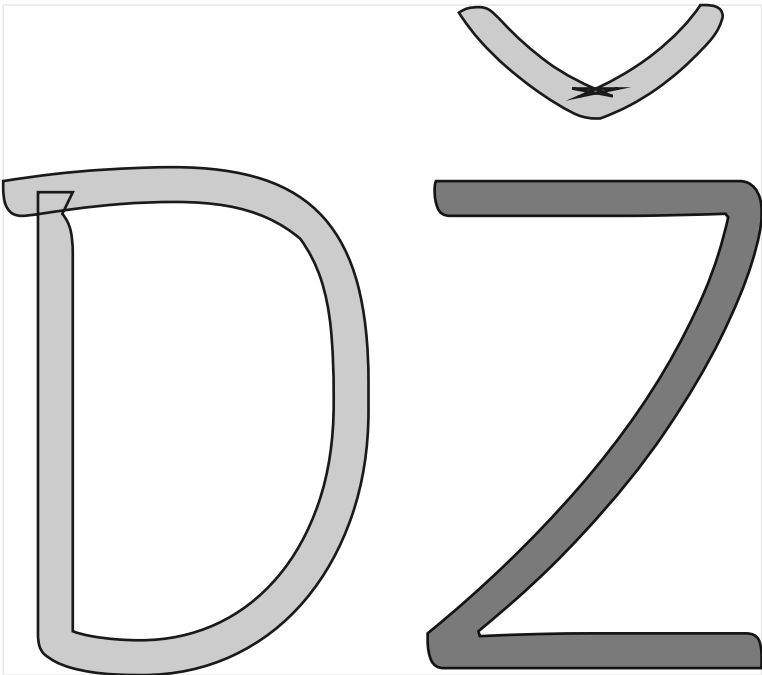
'MONO=1.0'



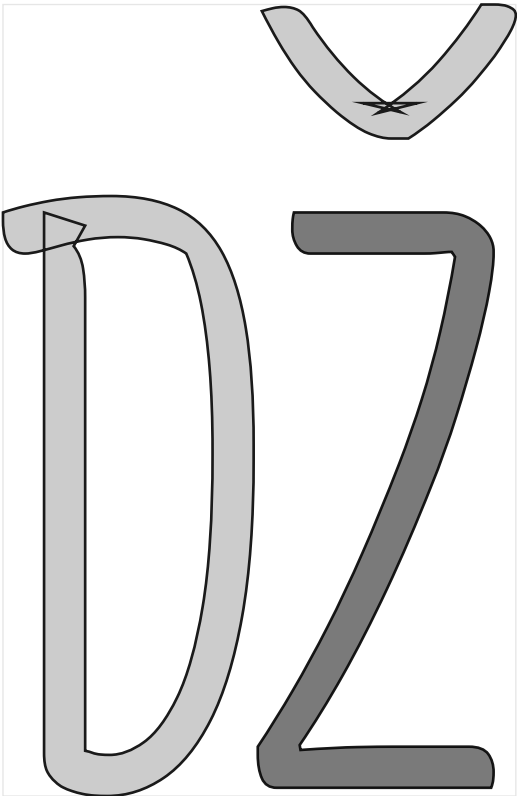
Problems: underweight

'CASL=1.0'

midway interpolation



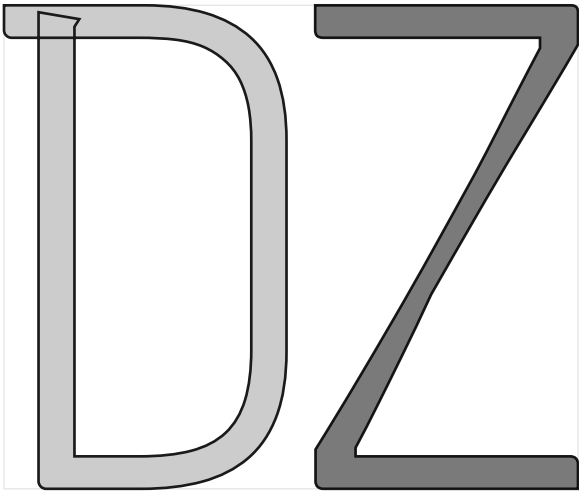
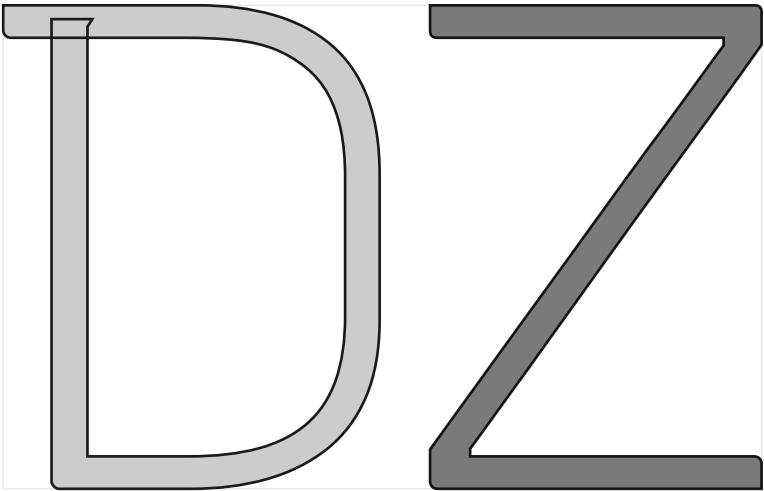
'CASL=1.0 MONO=1.0'



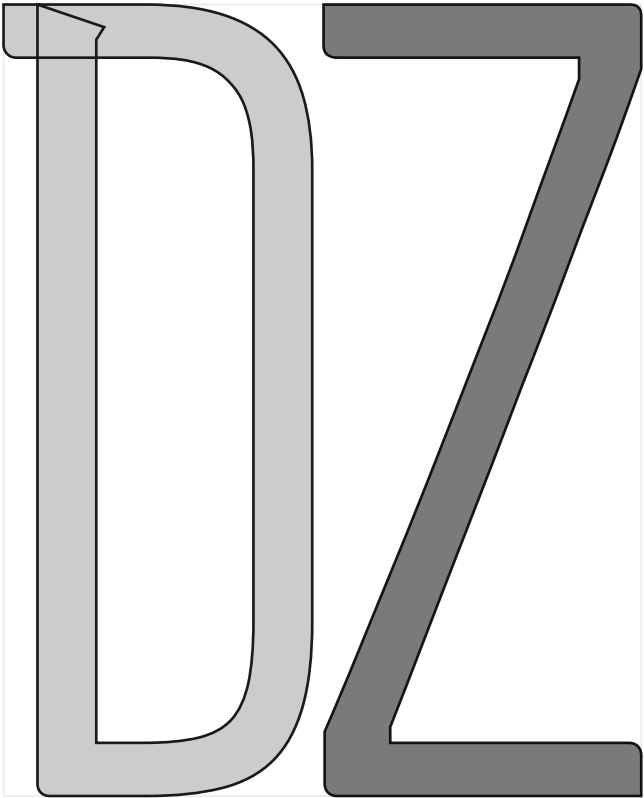
Problems: underweight

”

midway interpolation



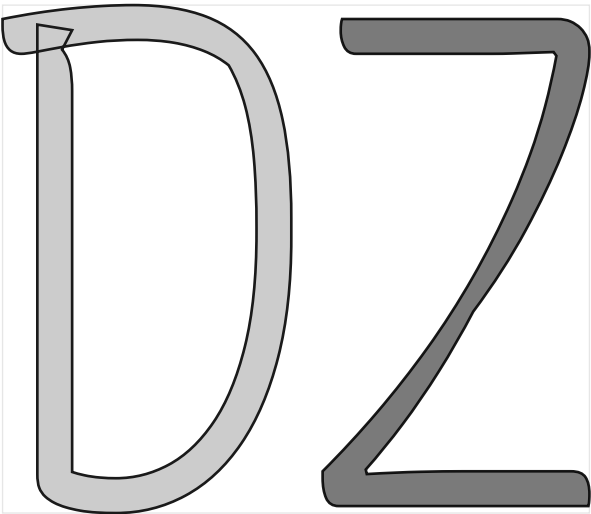
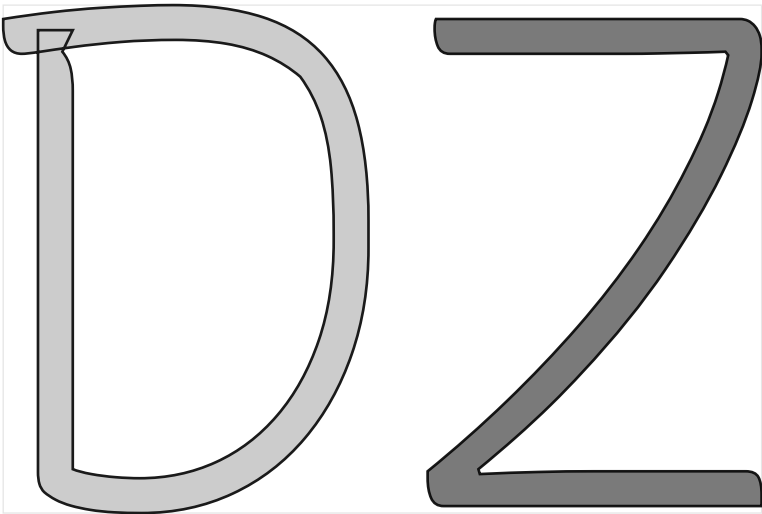
'MONO=1.0'



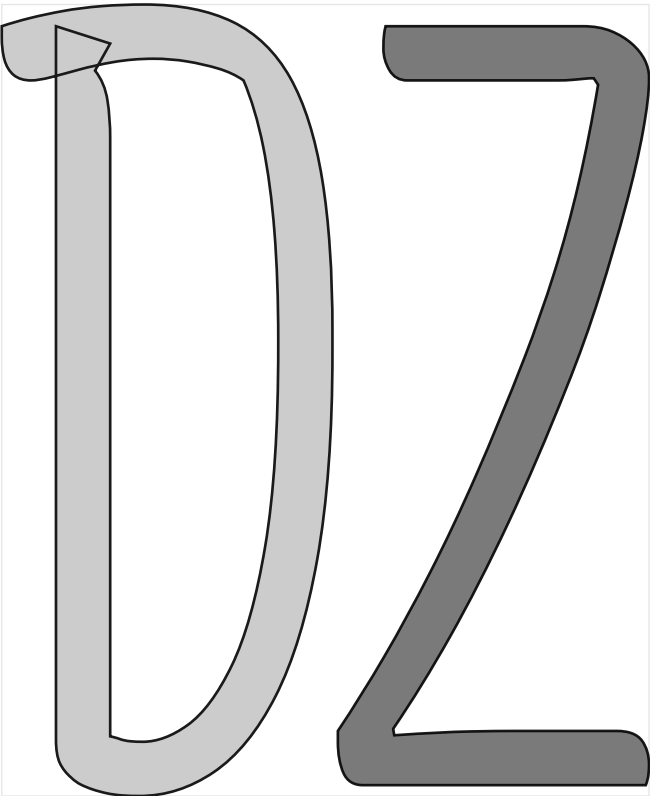
Problems: underweight

'CASL=1.0'

midway interpolation



'CASL=1.0 MONO=1.0'



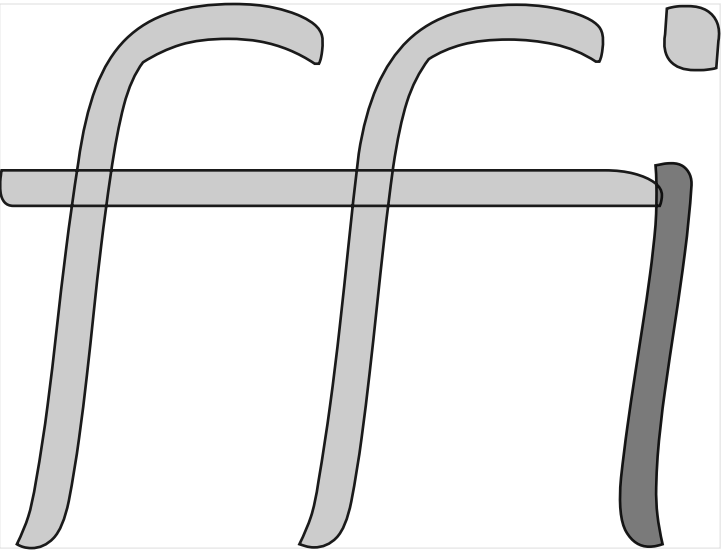
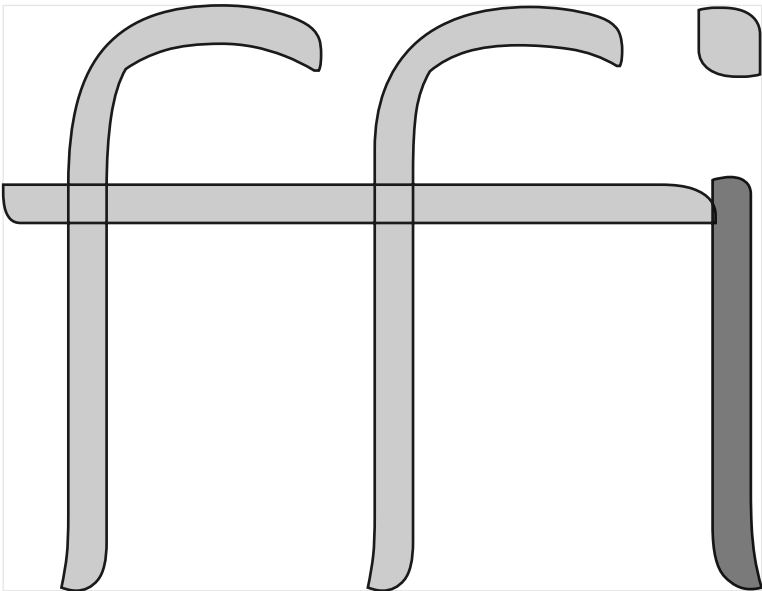
Glyph name: f\_f\_i

tolerance: 0.93

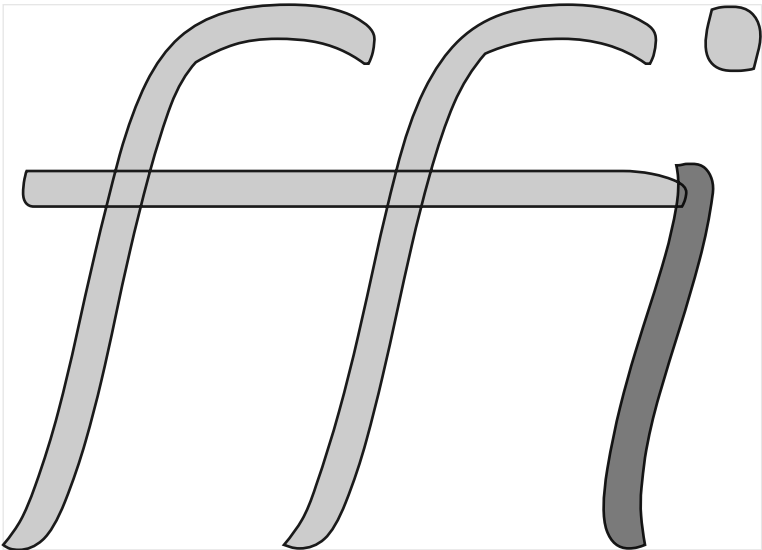
Problems: underweight

'CASL=1.0'

midway interpolation



'CASL=1.0 slnt=-14.0497'





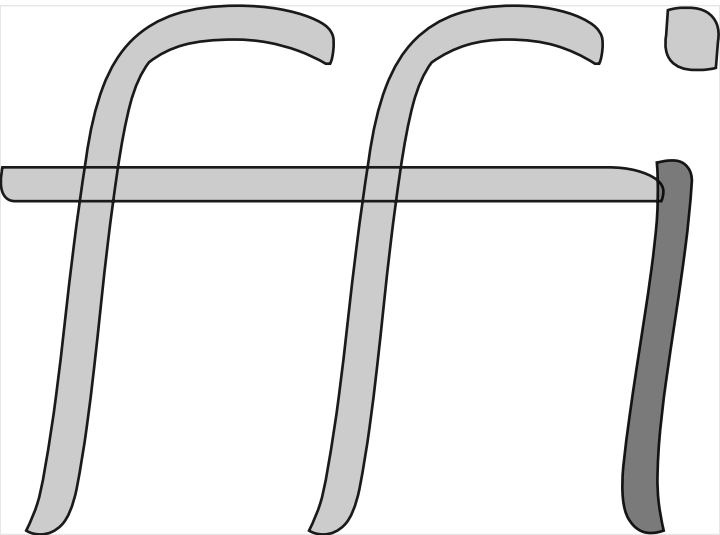
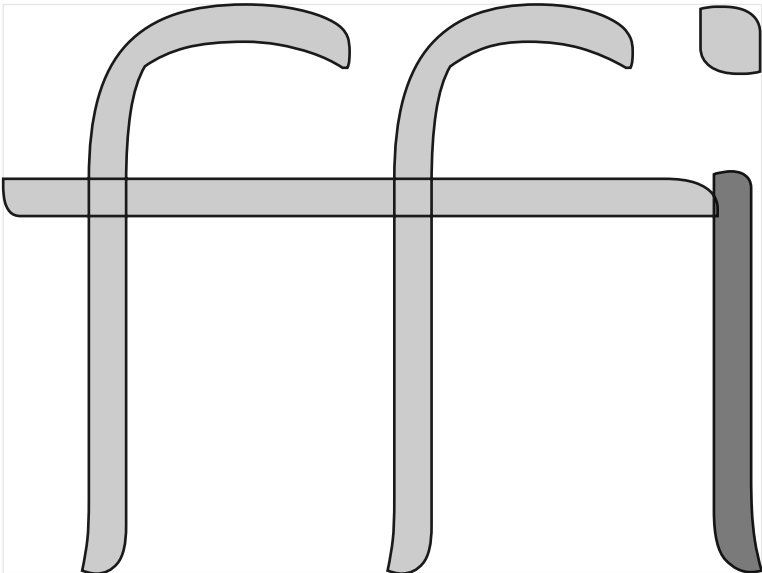
Glyph name: f\_f\_i

tolerance: 0.93

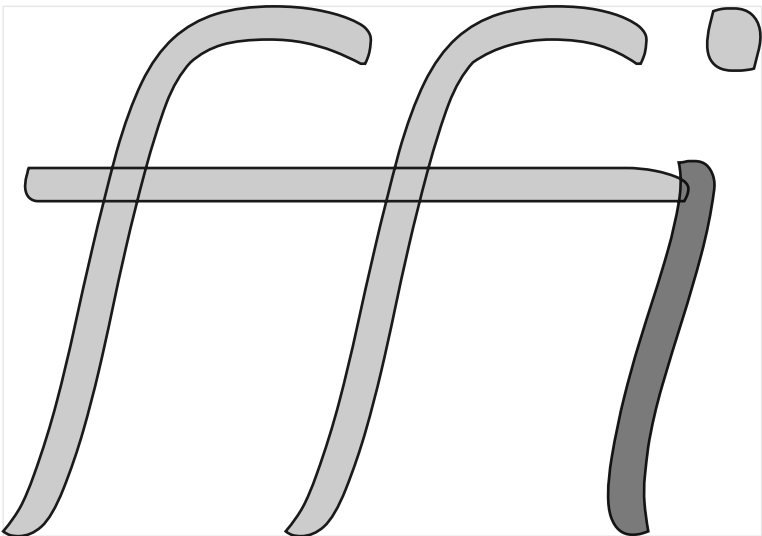
Problems: underweight

'CASL=1.0 MONO=1.0'

midway interpolation

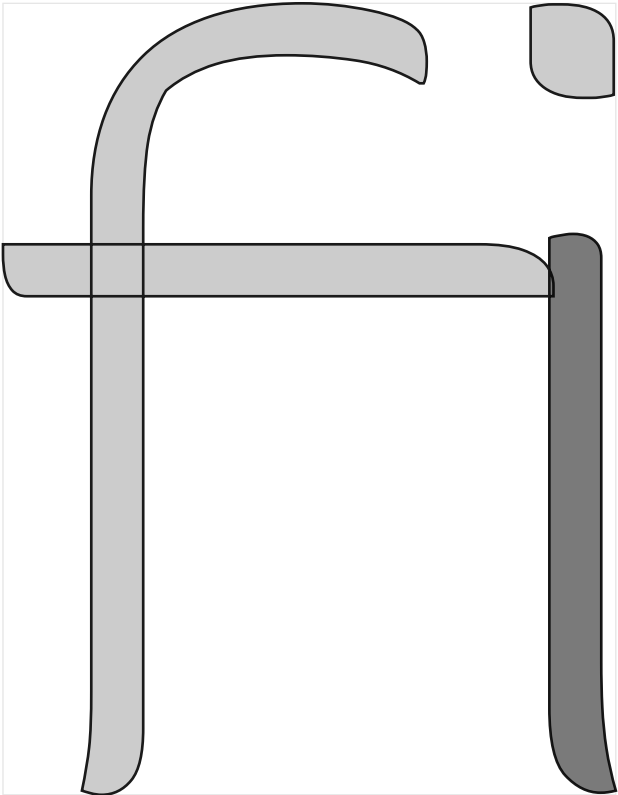


'CASL=1.0 MONO=1.0 slnt=-14.0497'

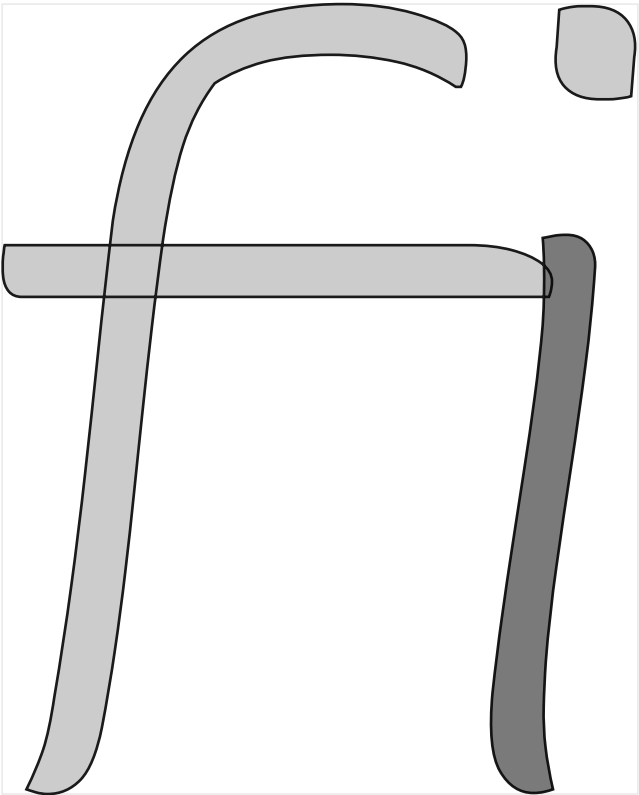


Problems: underweight

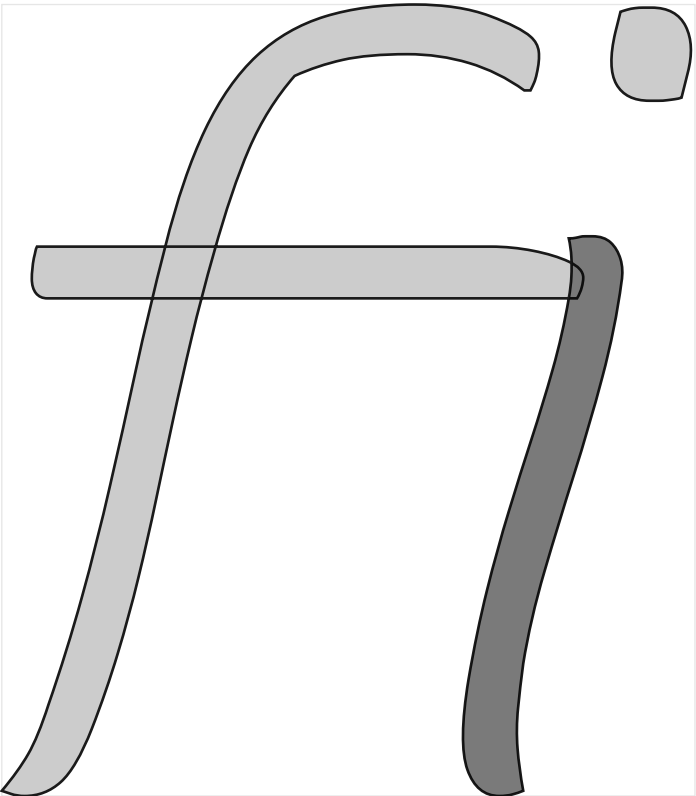
'CASL=1.0'



midway interpolation

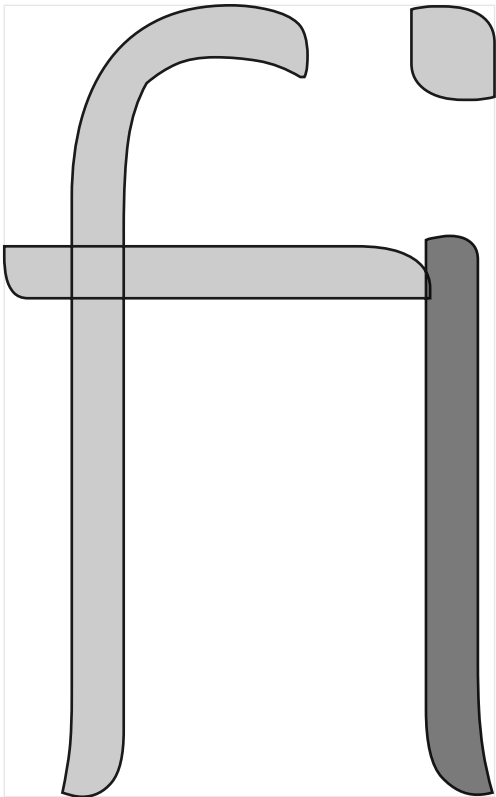


'CASL=1.0 slnt=-14.0497'

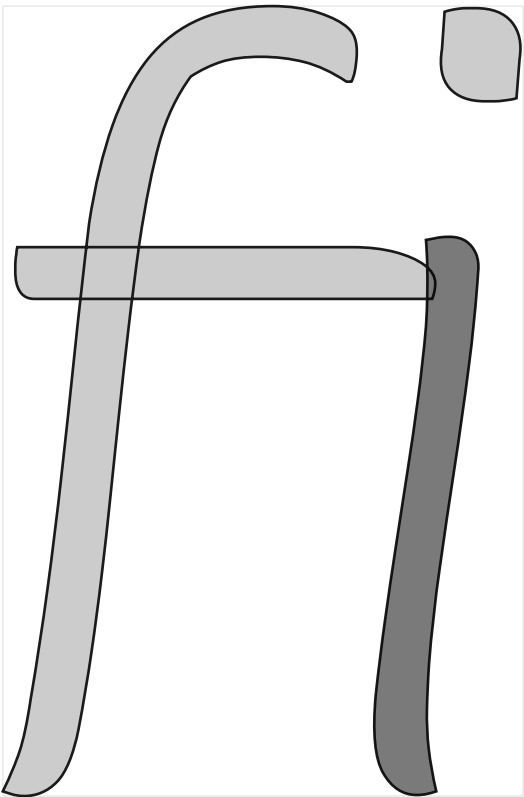


Problems: underweight

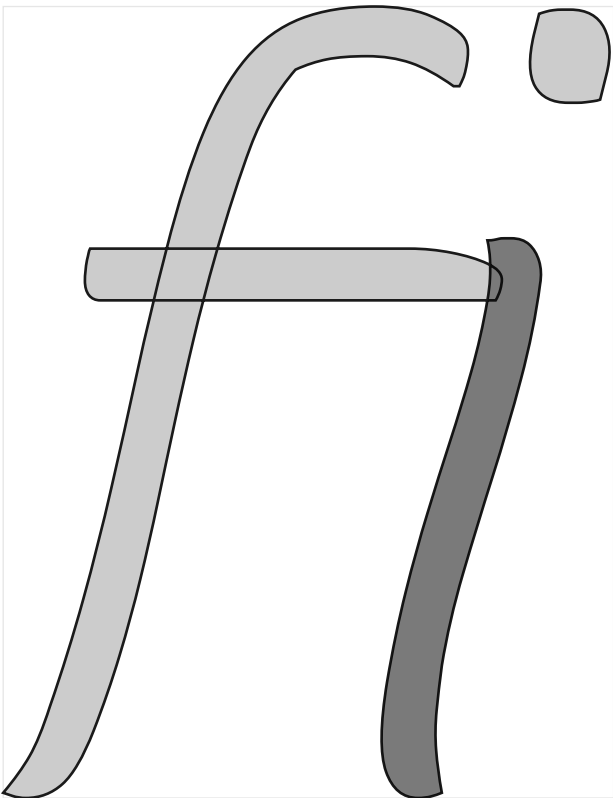
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

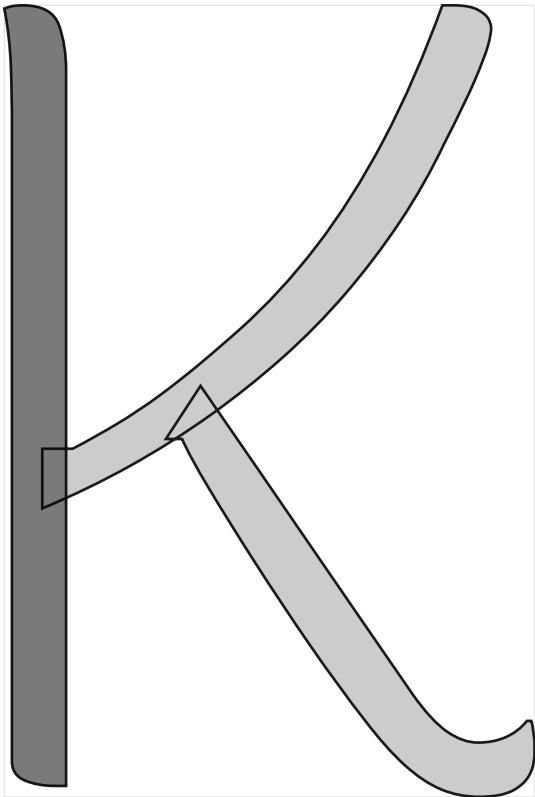


# Glyph name: K

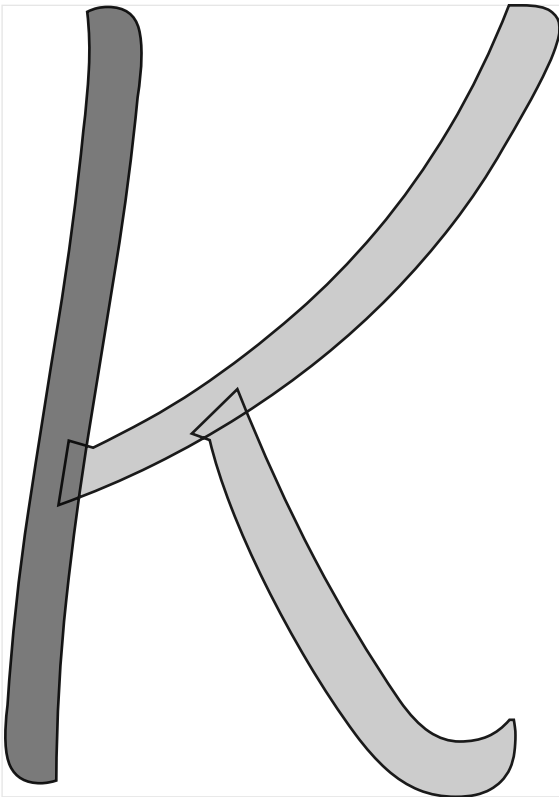
tolerance: 0.93

Problems: underweight

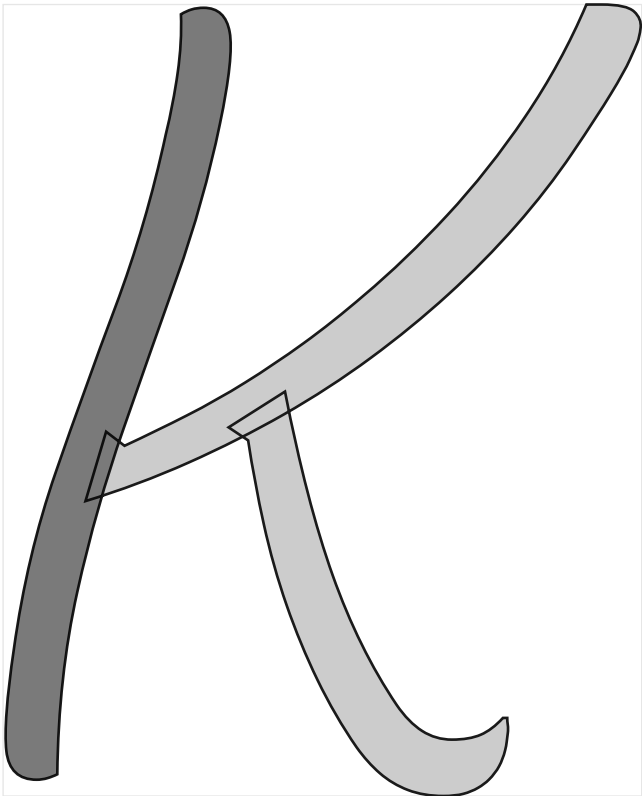
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

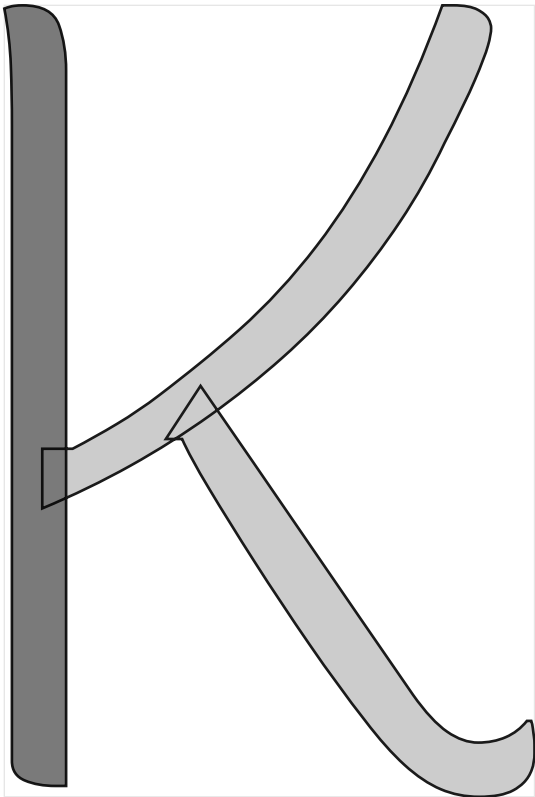


# Glyph name: K

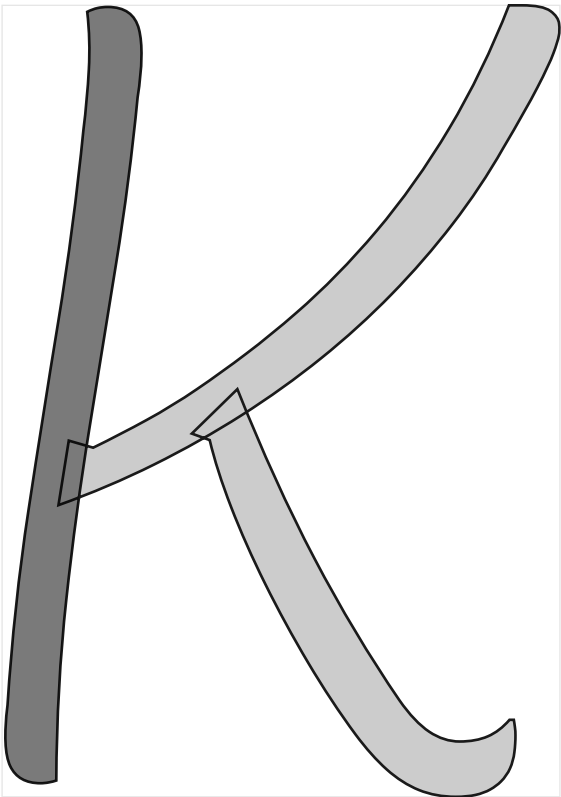
tolerance: 0.93

Problems: underweight

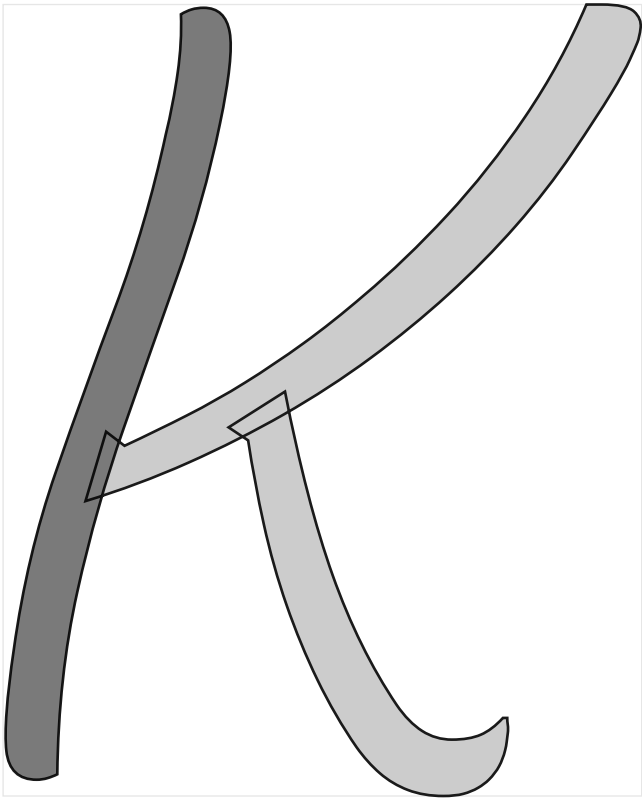
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

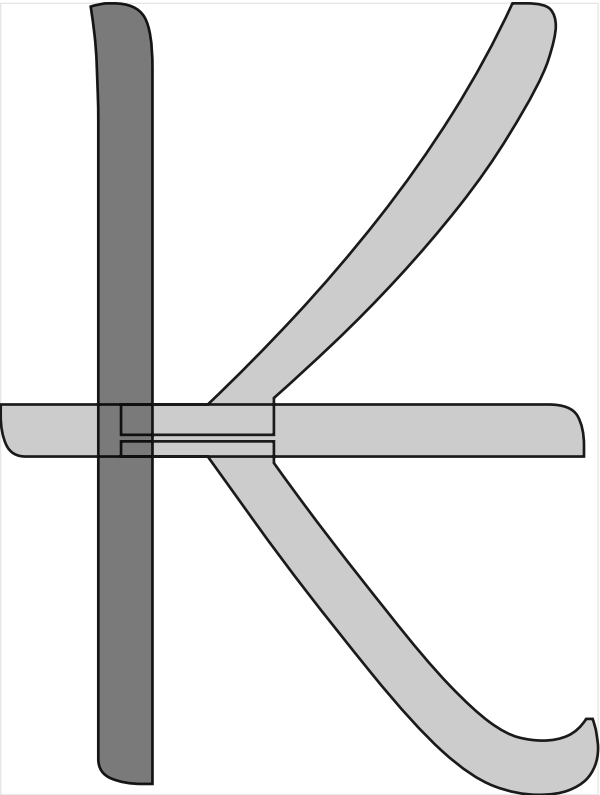


# Glyph name: uni20AD

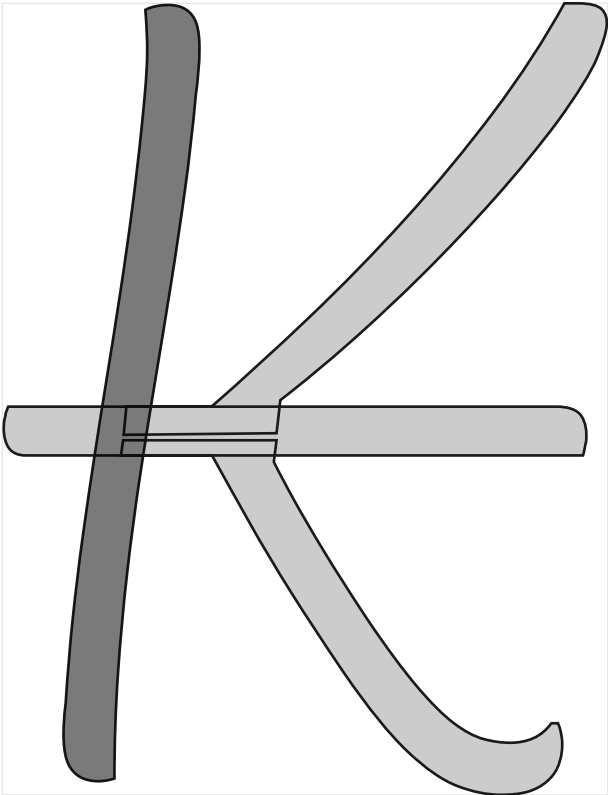
tolerance: 0.93

Problems: underweight

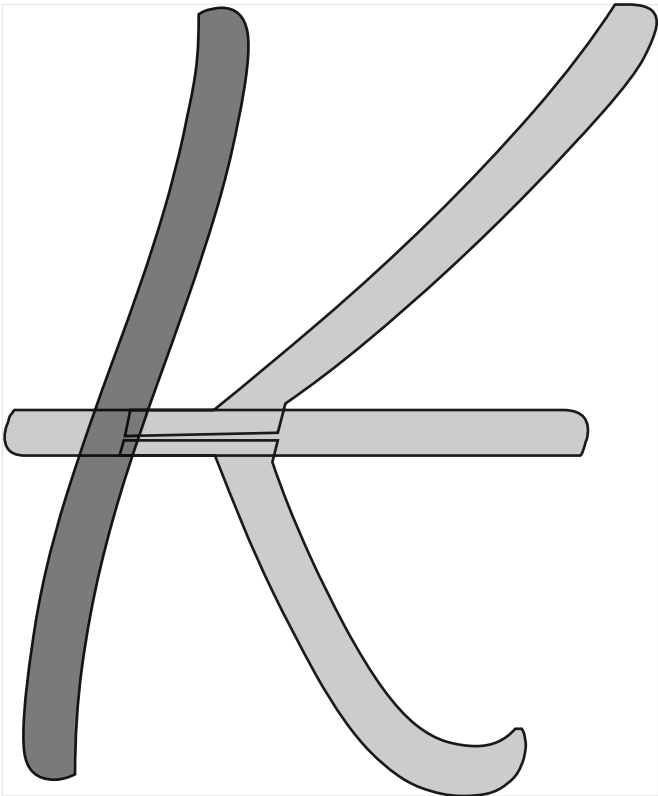
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'



# Glyph name: bar

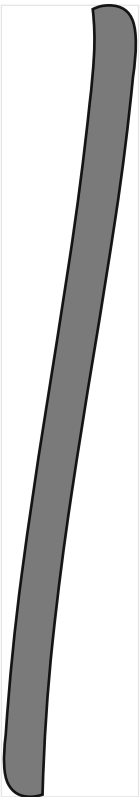
tolerance: 0.94

Problems: underweight

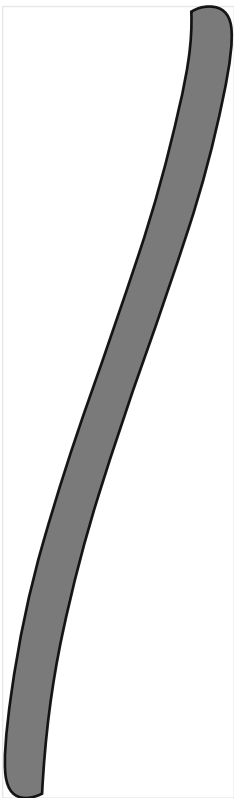
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'



# Glyph name: bar

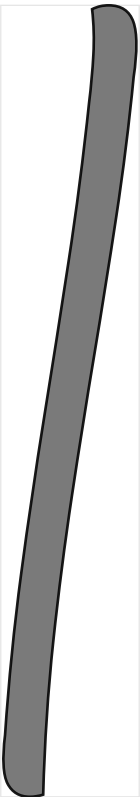
tolerance: 0.94

Problems: underweight

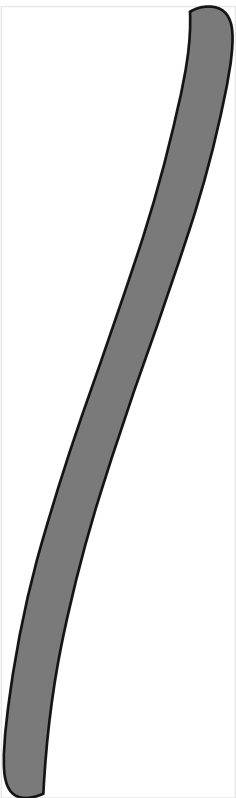
'CASL=1.0 MONO=1.0'



midway interpolation



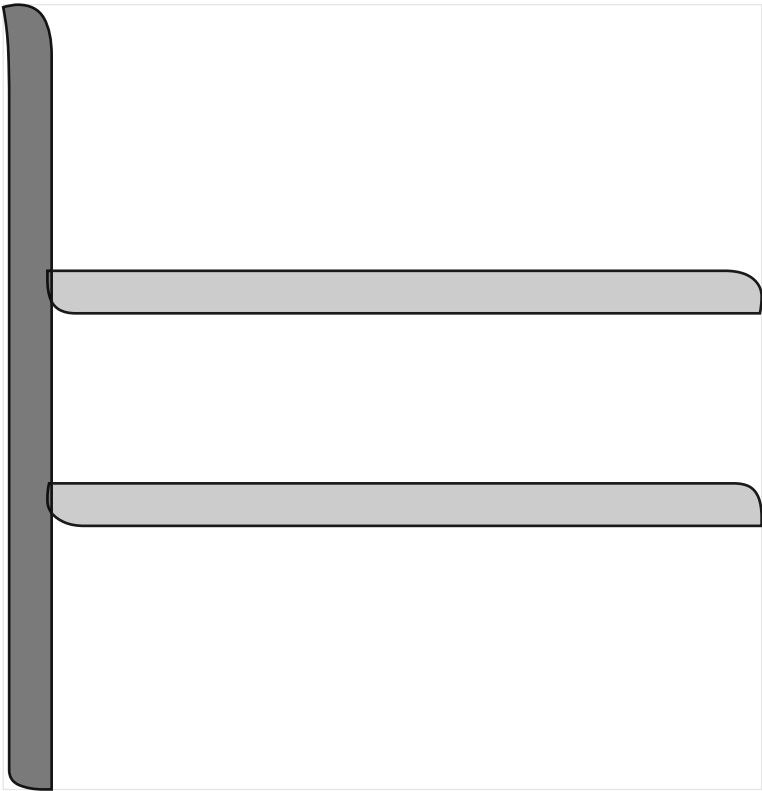
'CASL=1.0 MONO=1.0 slnt=-14.0497'



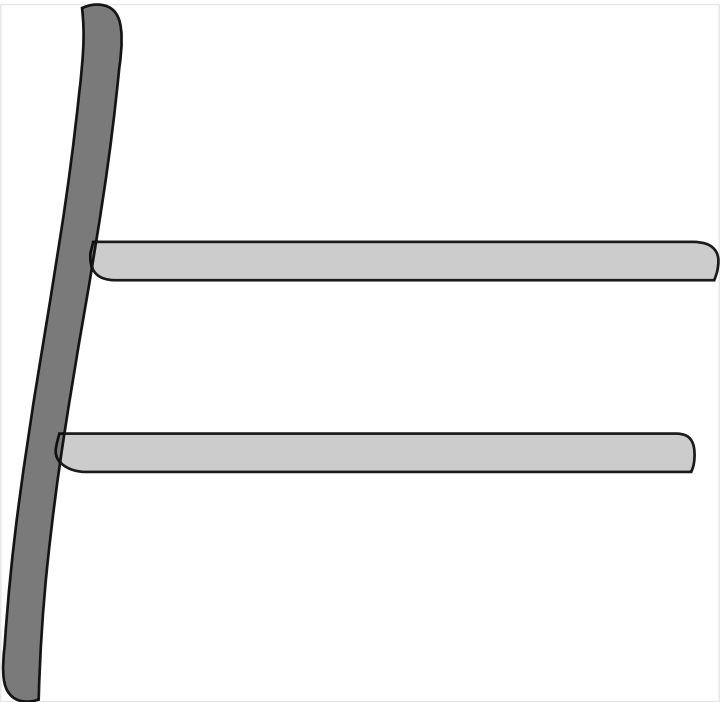


Problems: underweight

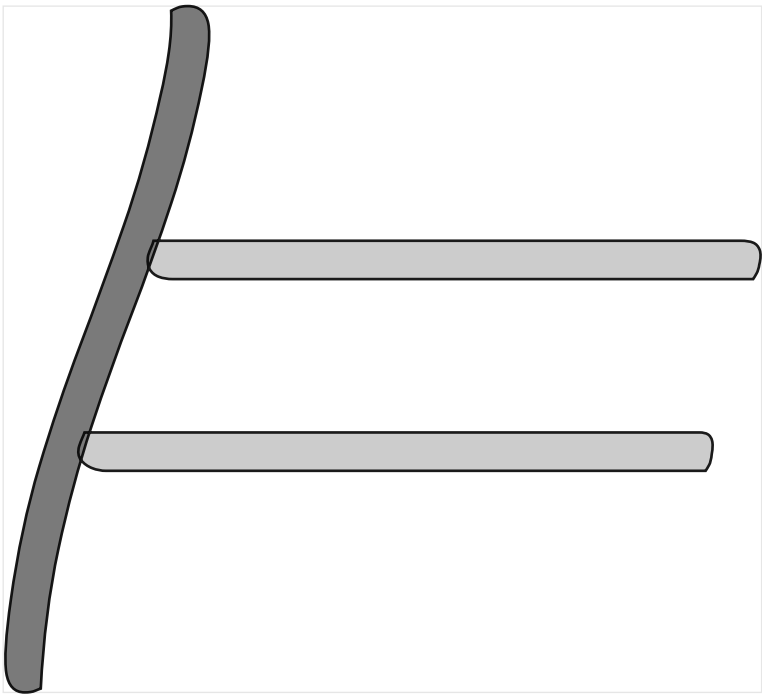
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

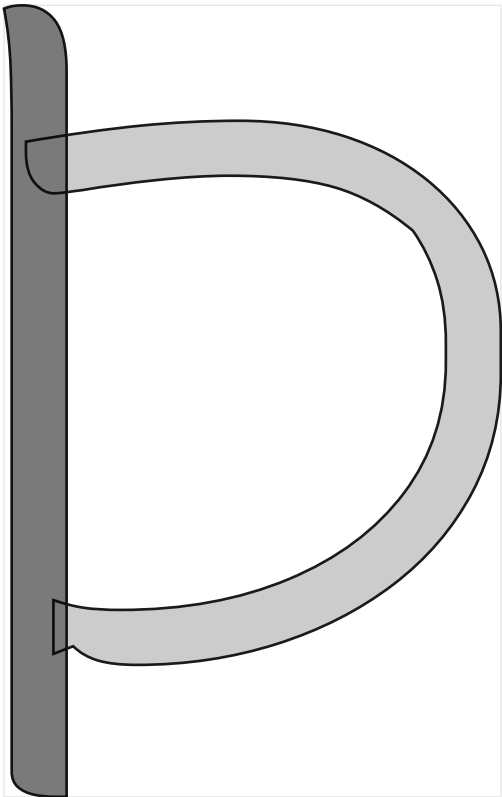


# Glyph name: Thorn

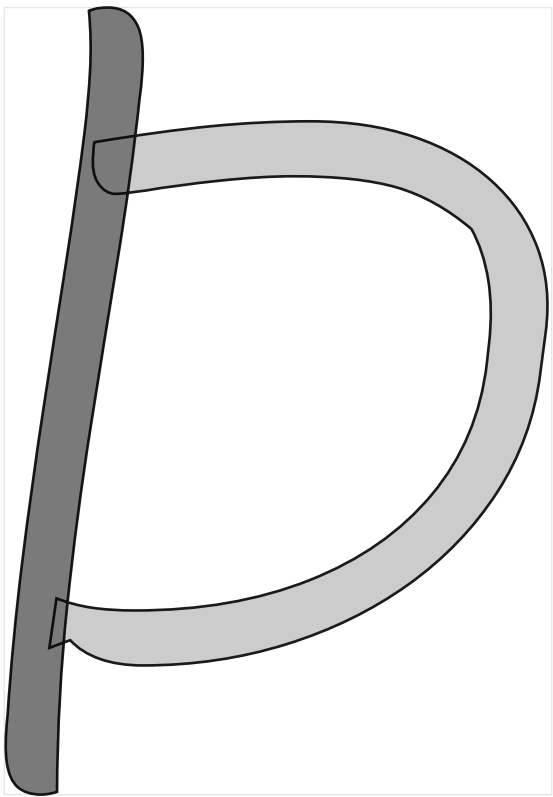
tolerance: 0.94

Problems: underweight

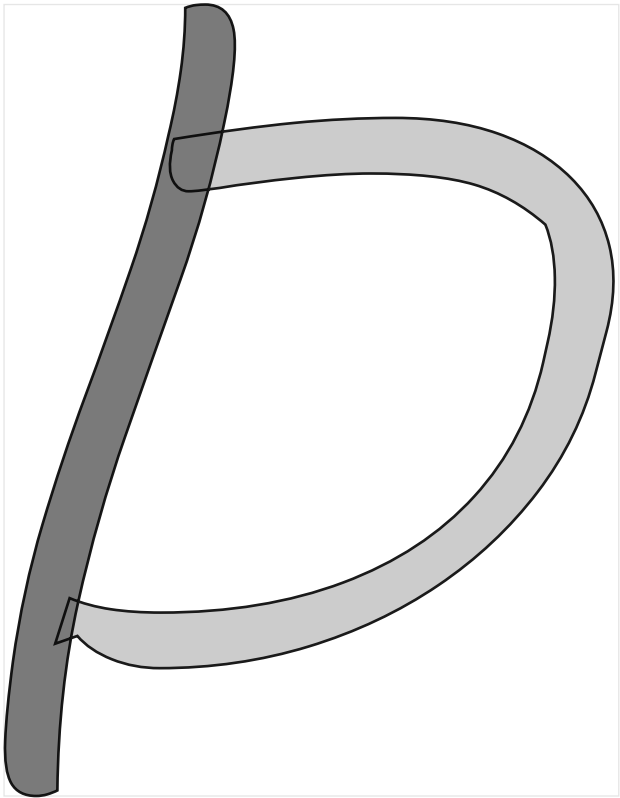
'CASL=1.0'



midway interpolation

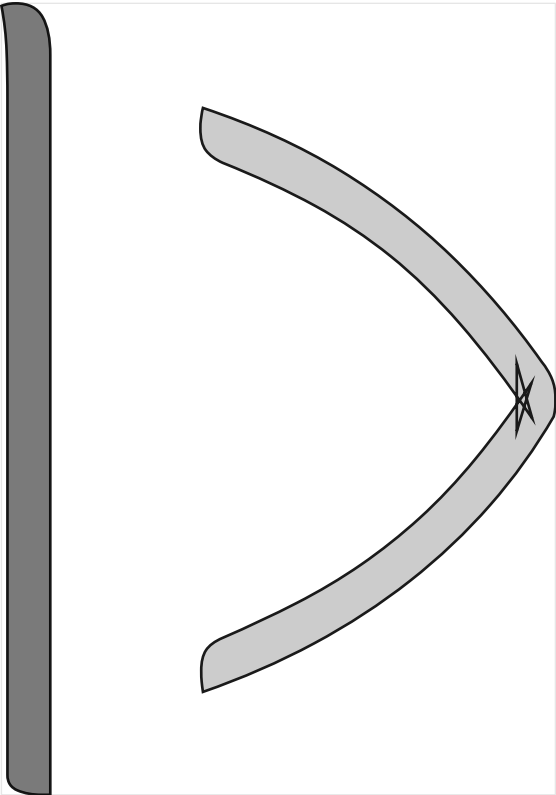


'CASL=1.0 slnt=-14.0497'

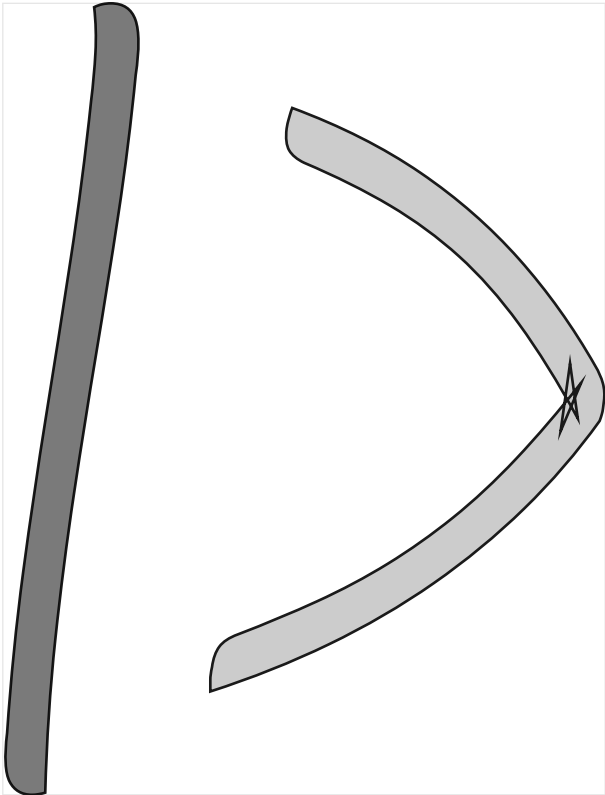


Problems: underweight

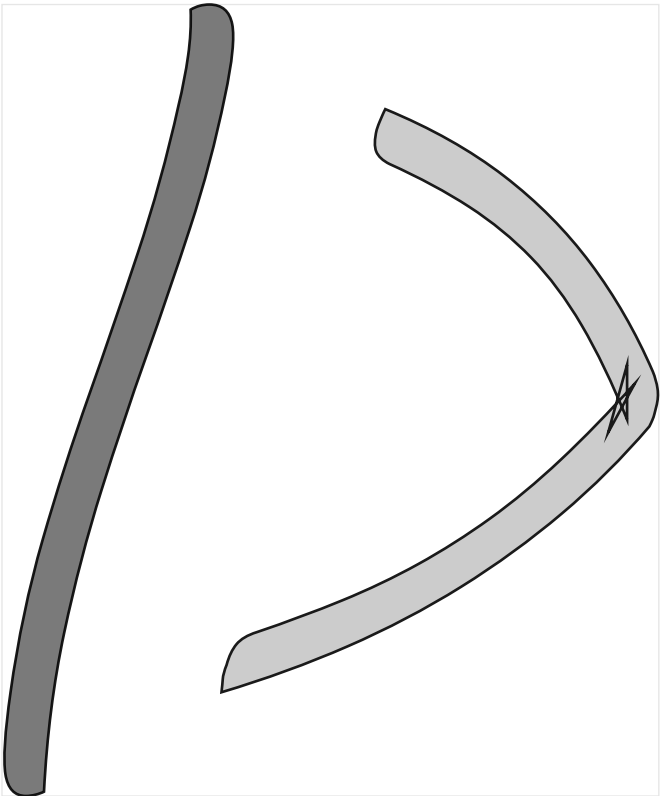
'CASL=1.0'



midway interpolation



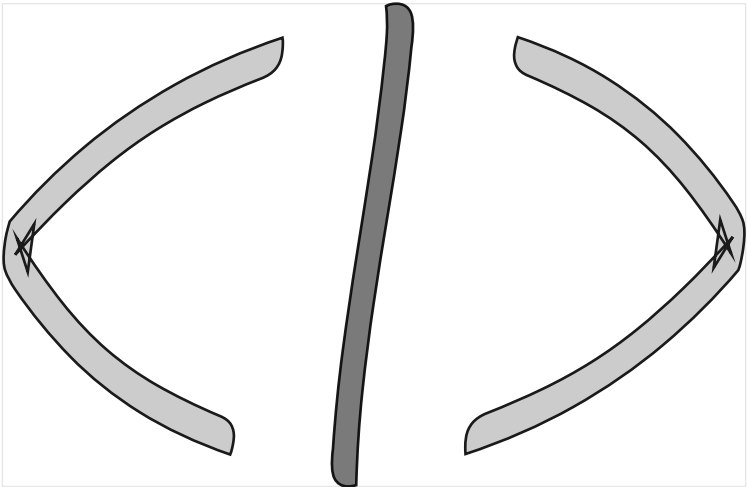
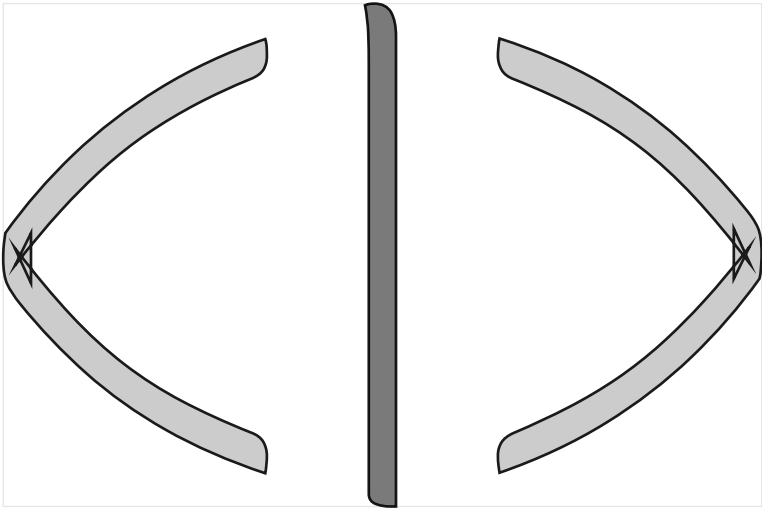
'CASL=1.0 slnt=-14.0497'



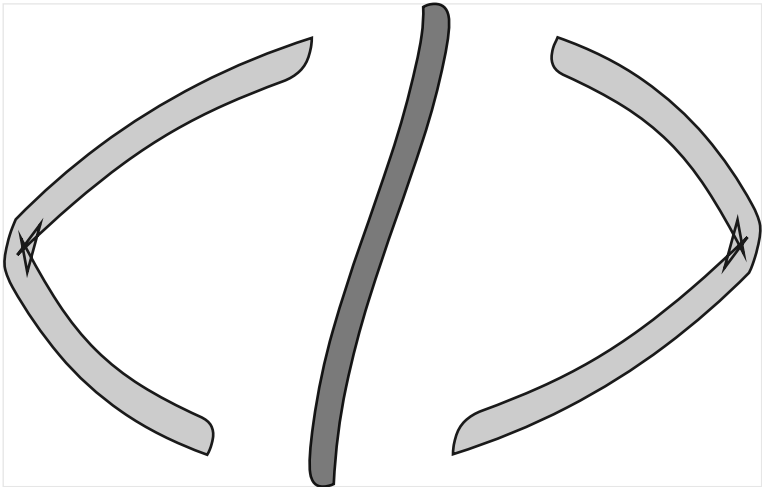
Problems: underweight

'CASL=1.0'

midway interpolation



'CASL=1.0 slnt=-14.0497'

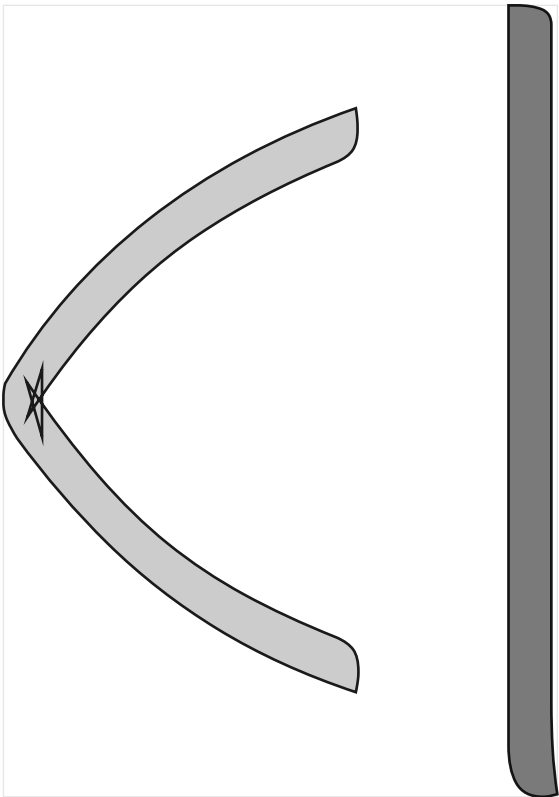


# Glyph name: less\_bar.code

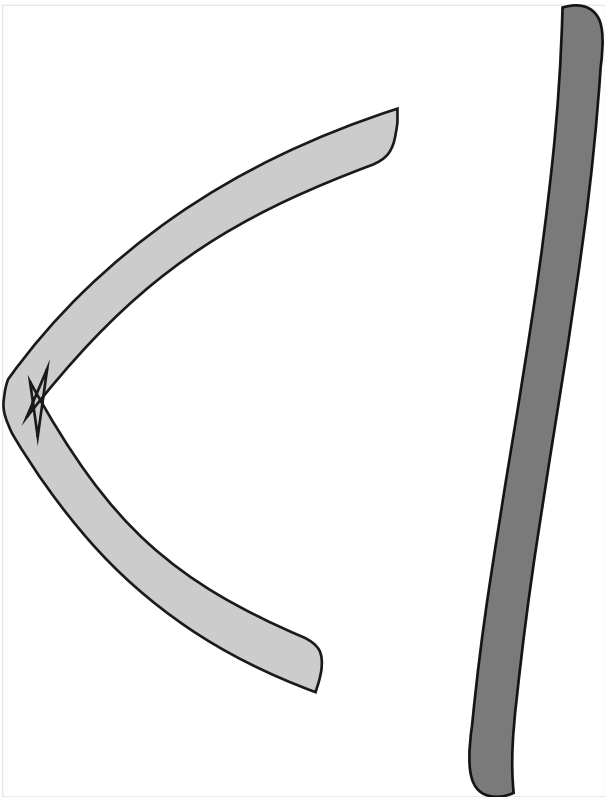
tolerance: 0.94

Problems: underweight

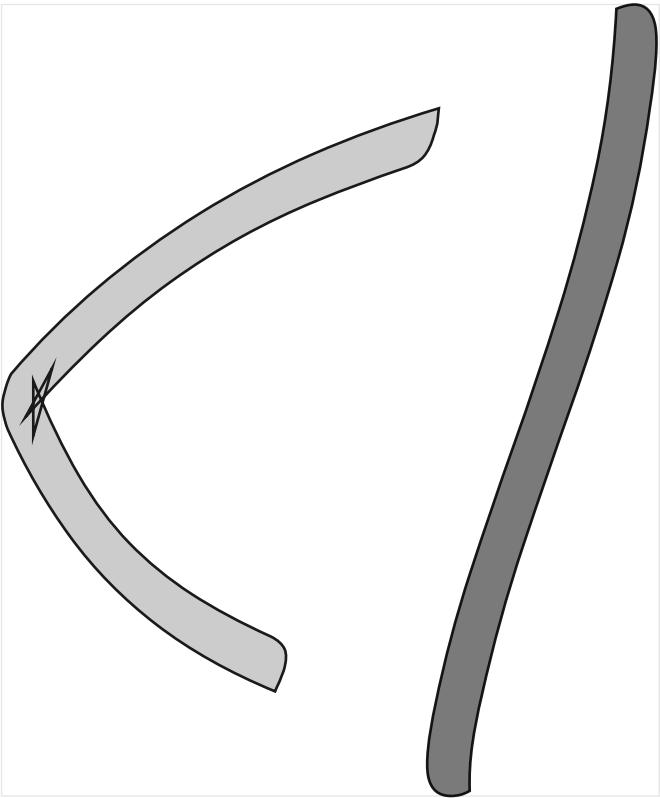
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'



# Glyph name: brokenbar

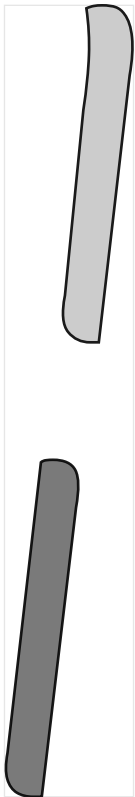
tolerance: 0.94

Problems: underweight

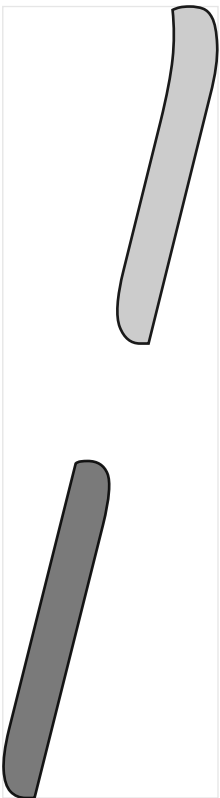
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'



# Glyph name: brokenbar

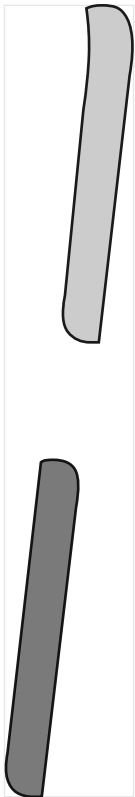
tolerance: 0.94

Problems: underweight

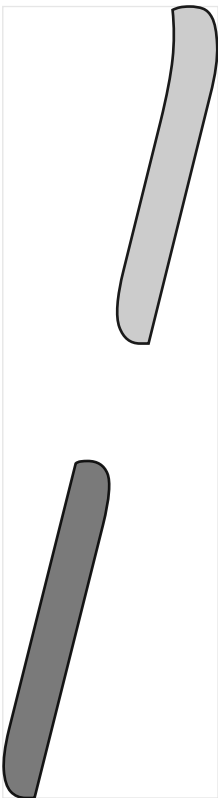
'CASL=1.0 MONO=1.0'



midway interpolation

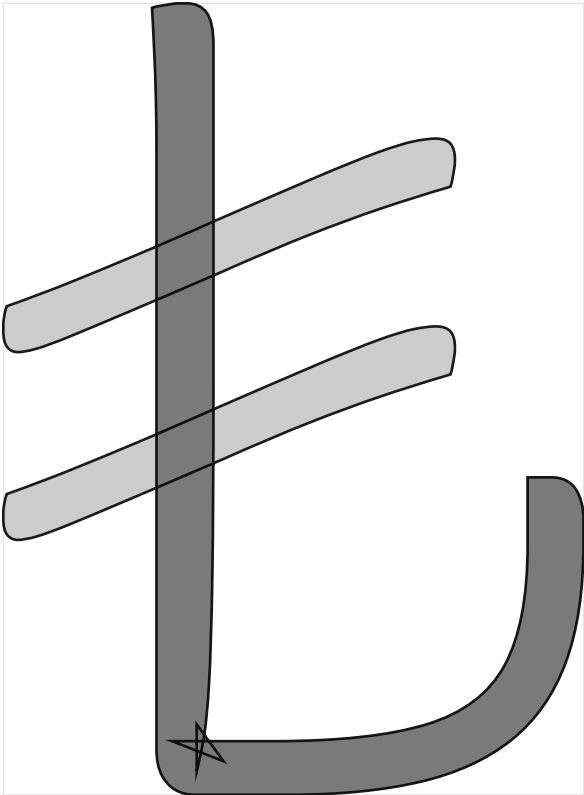


'CASL=1.0 MONO=1.0 slnt=-14.0497'

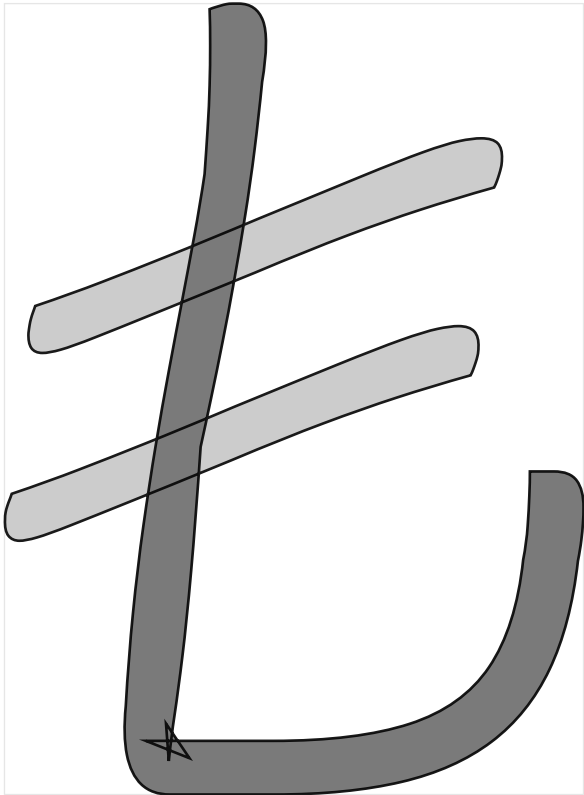


Problems: underweight

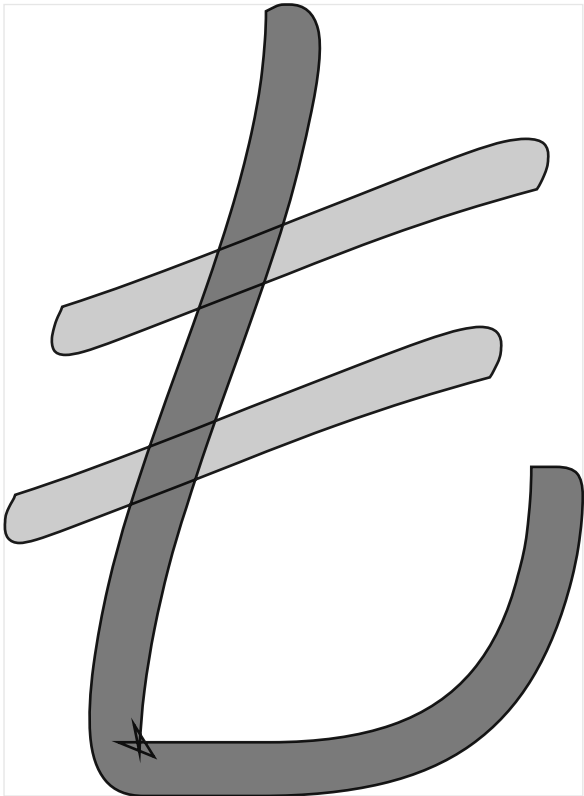
'CASL=1.0'



midway interpolation



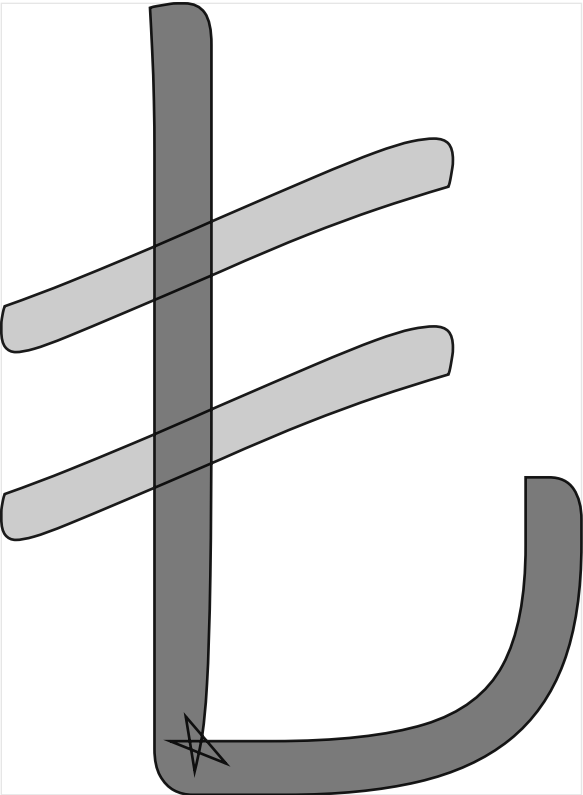
'CASL=1.0 slnt=-14.0497'



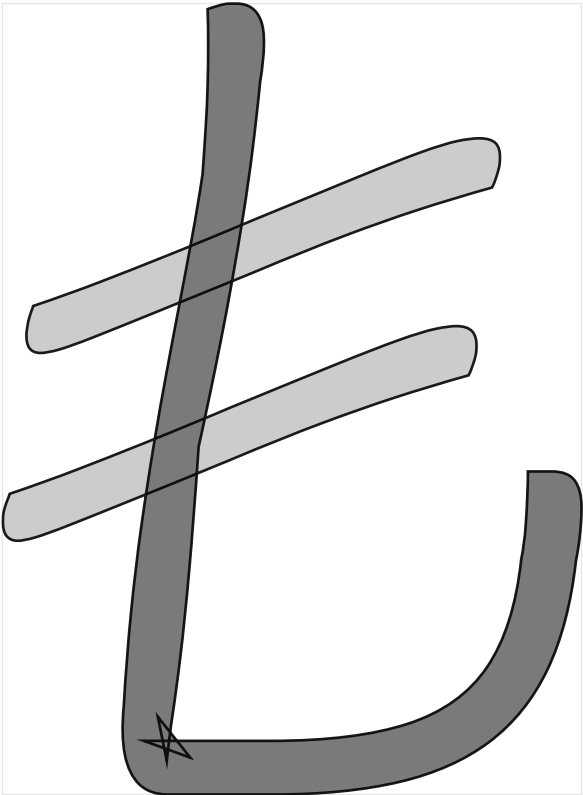


Problems: underweight

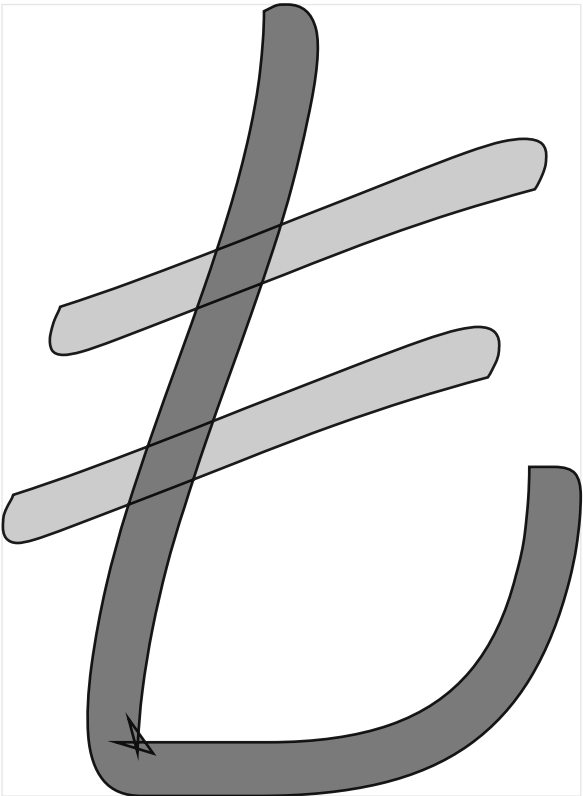
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

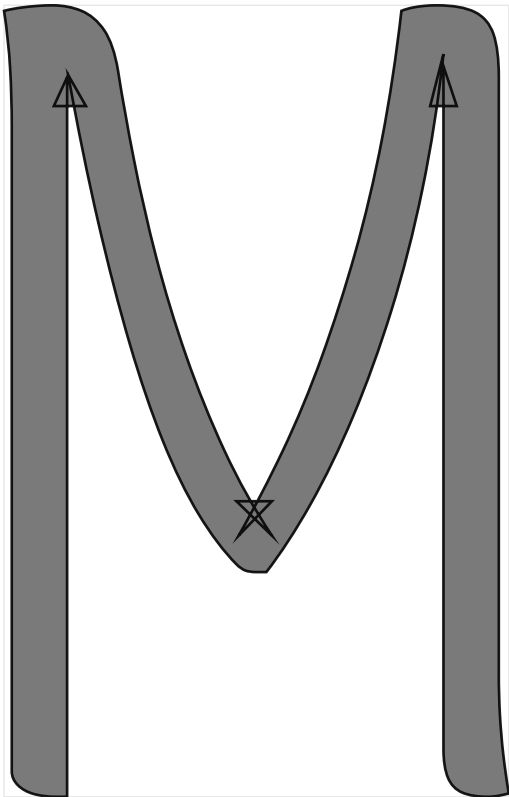


# Glyph name: M

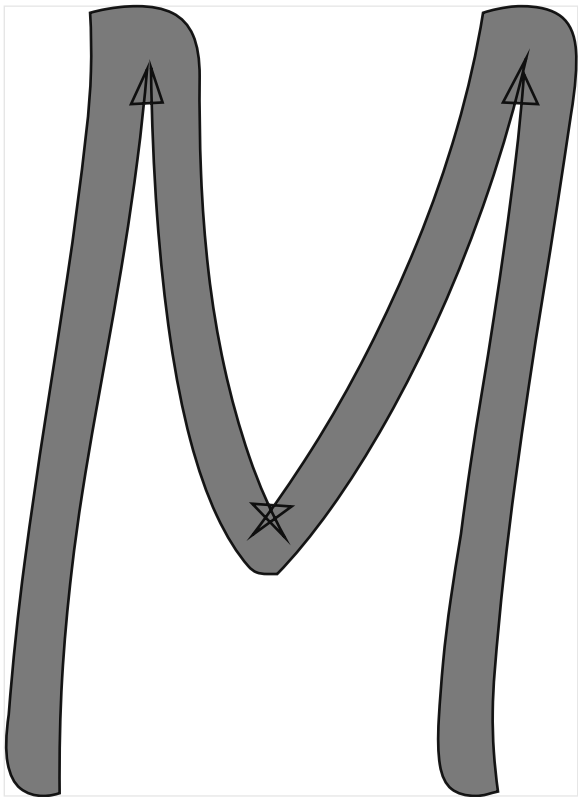
tolerance: 0.94

Problems: underweight

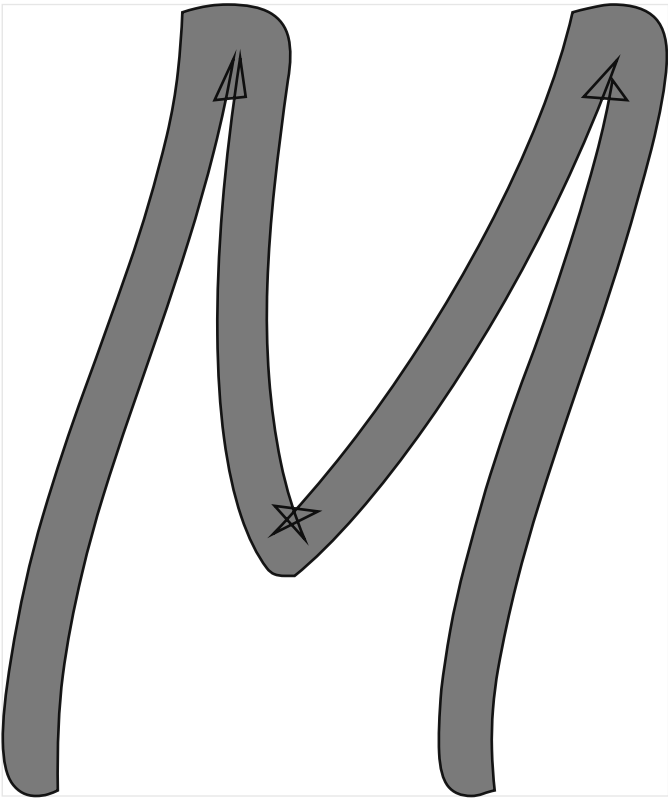
'CASL=1.0 MONO=1.0'



midway interpolation

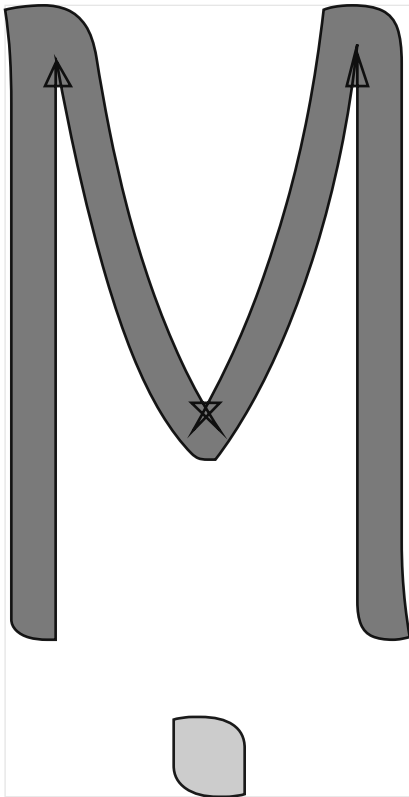


'CASL=1.0 MONO=1.0 slnt=-14.0497'

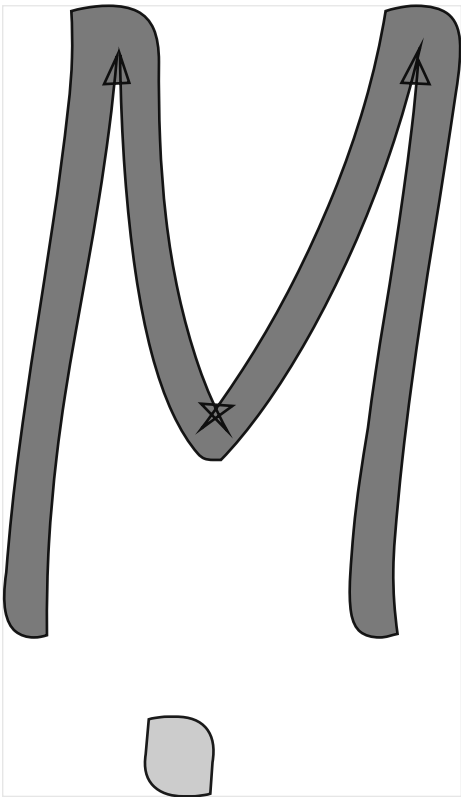


Problems: underweight

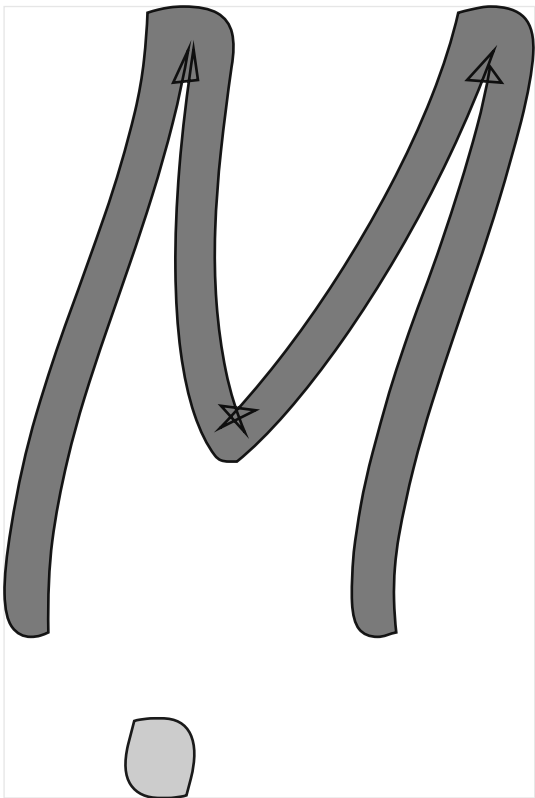
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

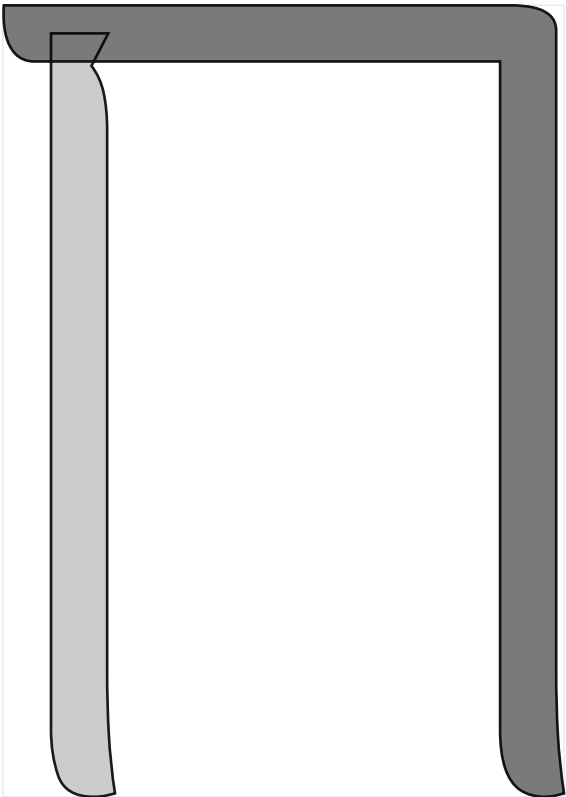


# Glyph name: Pi

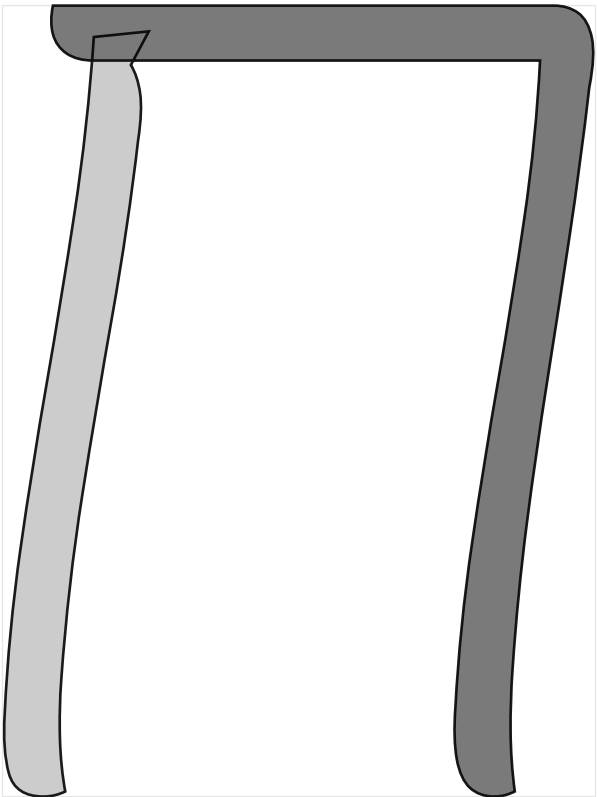
tolerance: 0.94

Problems: underweight

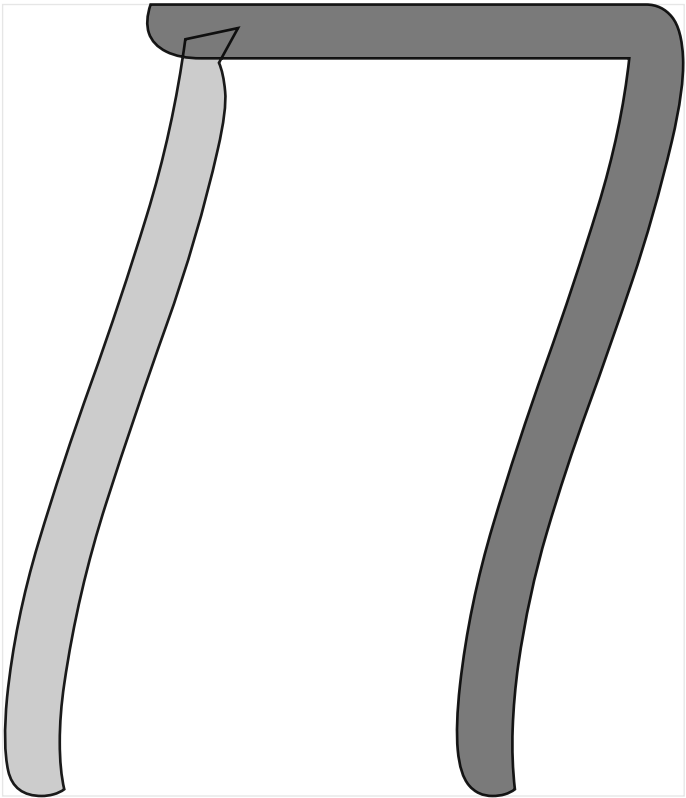
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'

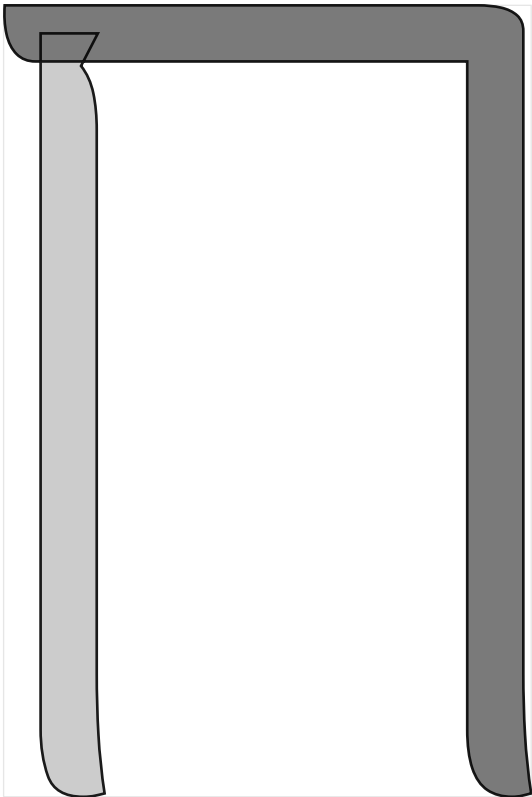


# Glyph name: Pi

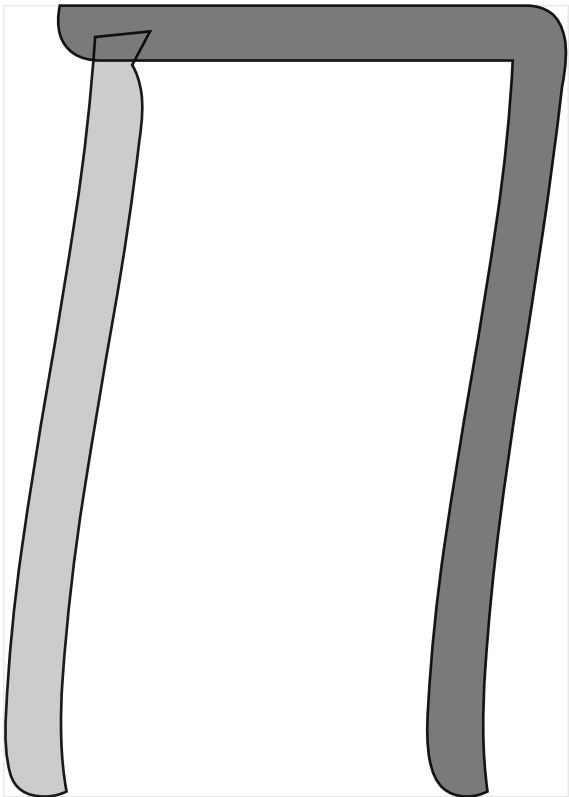
tolerance: 0.94

Problems: underweight

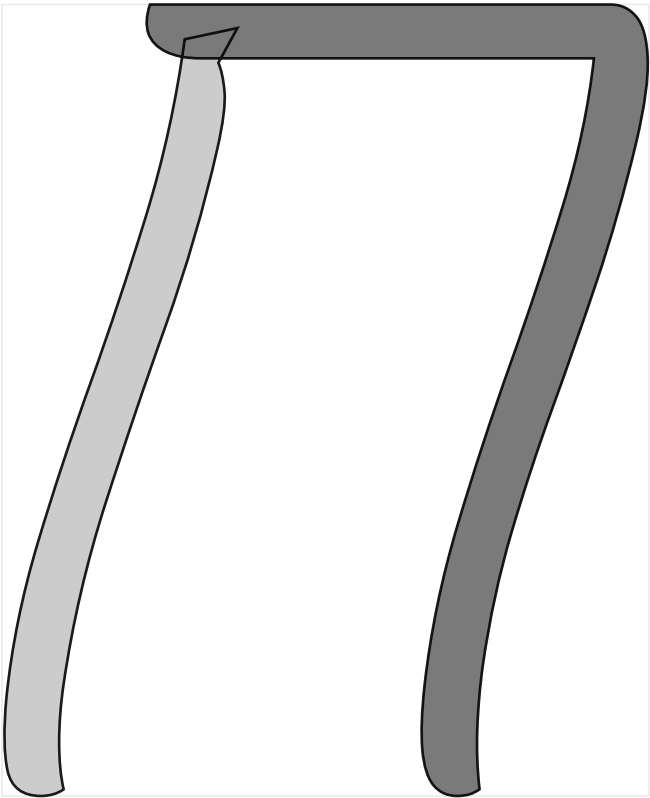
'CASL=1.0 MONO=1.0'



midway interpolation



'CASL=1.0 MONO=1.0 slnt=-14.0497'

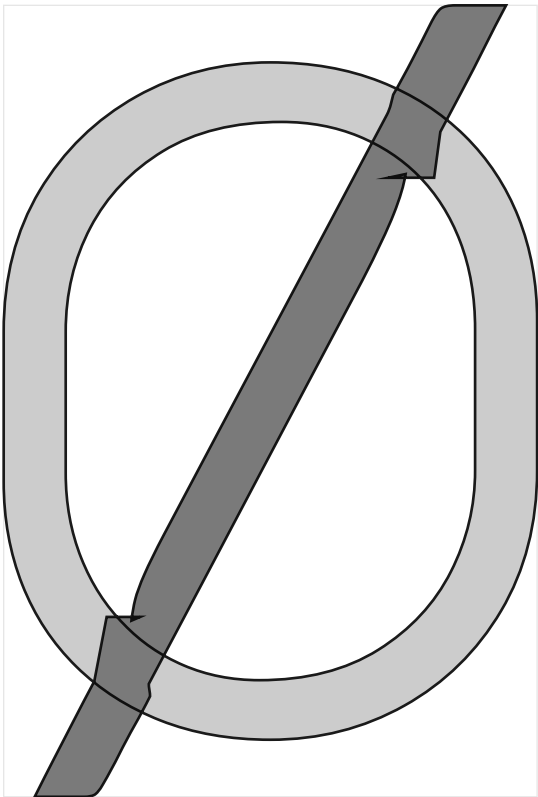


# Glyph name: oslash

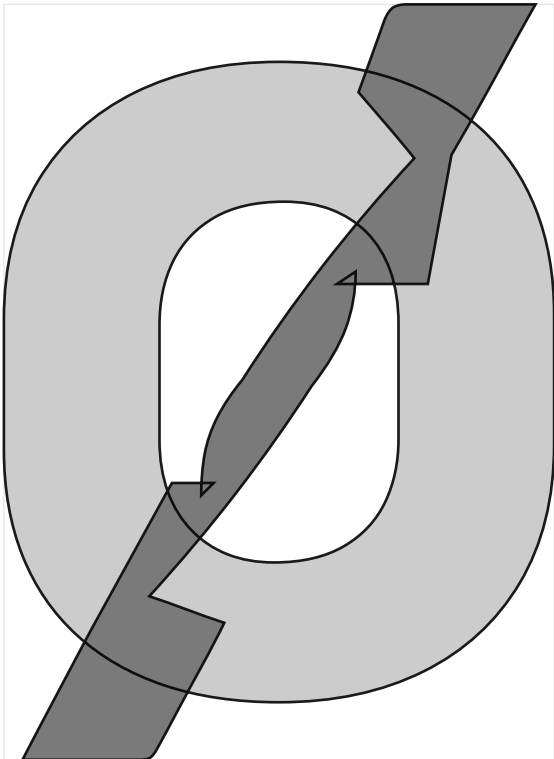
tolerance: 0.95

Problems: underweight

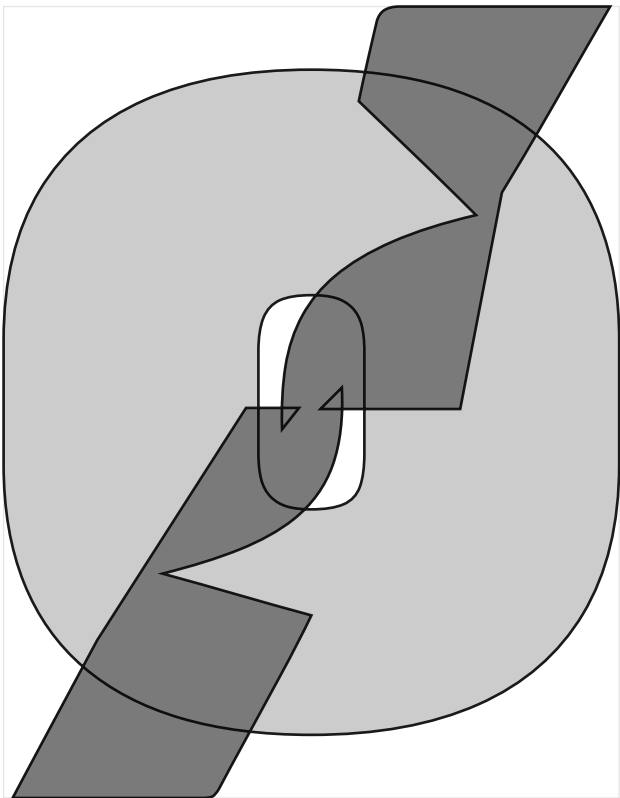
”



midway interpolation



'MONO=1.0 wght=1000.0'

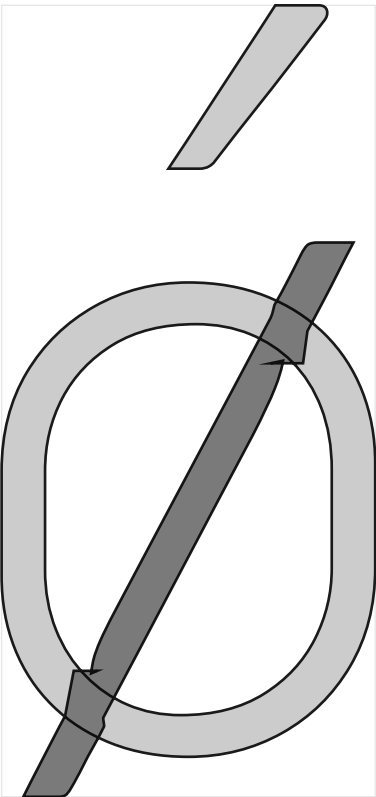


# Glyph name: oslashacute

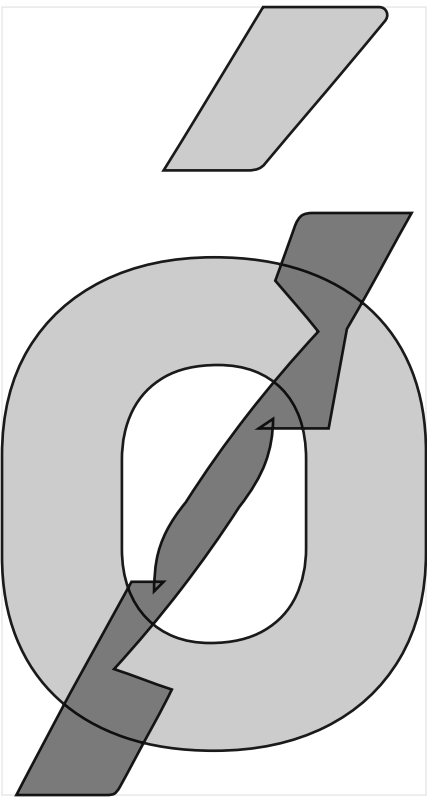
tolerance: 0.95

Problems: underweight

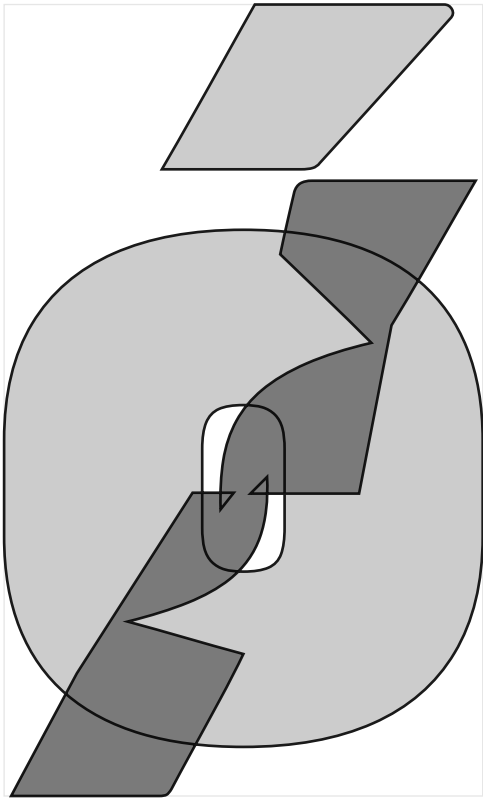
”



midway interpolation

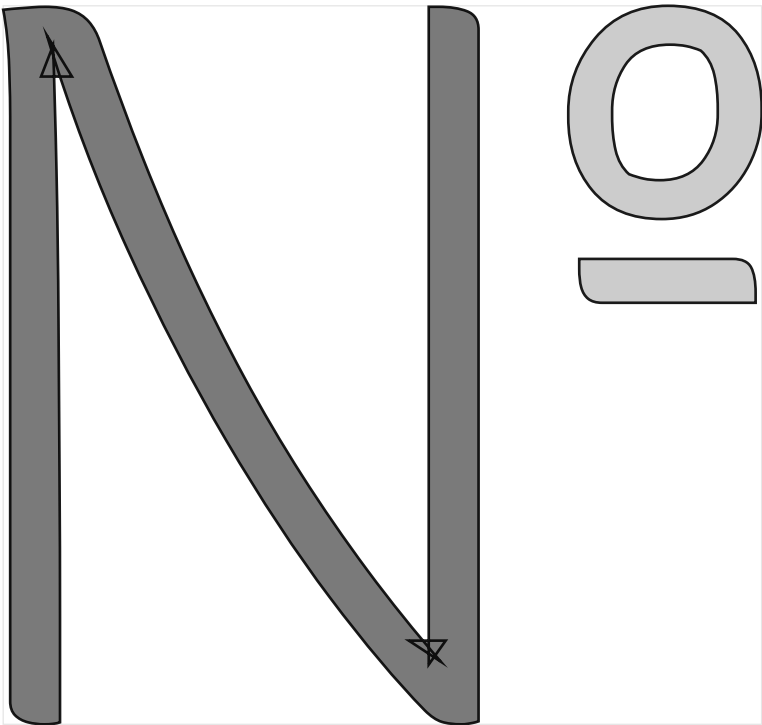


'MONO=1.0 wght=1000.0'

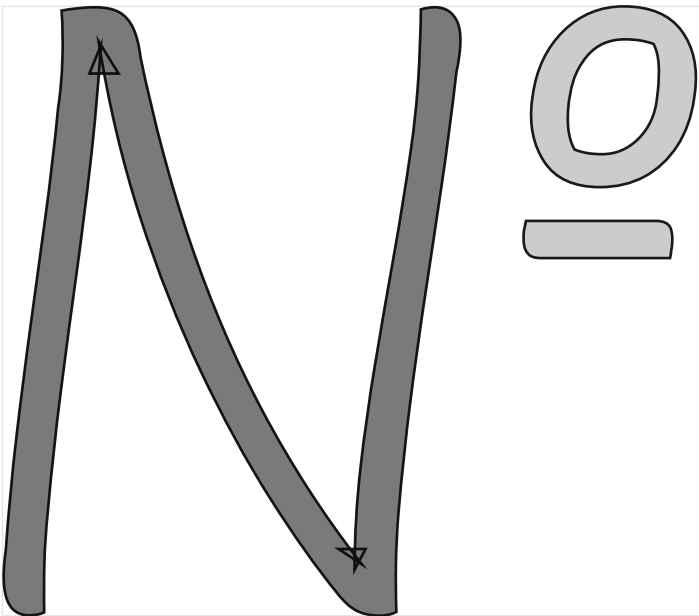


Problems: underweight

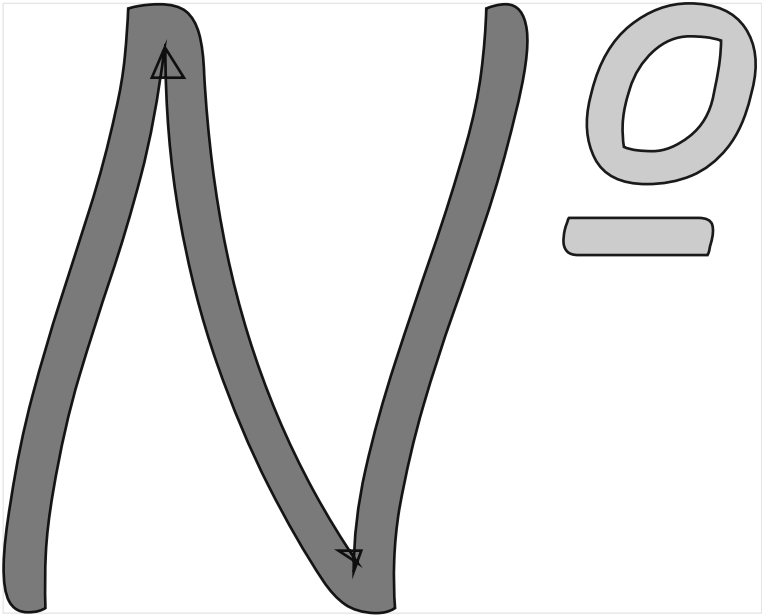
'CASL=1.0'



midway interpolation



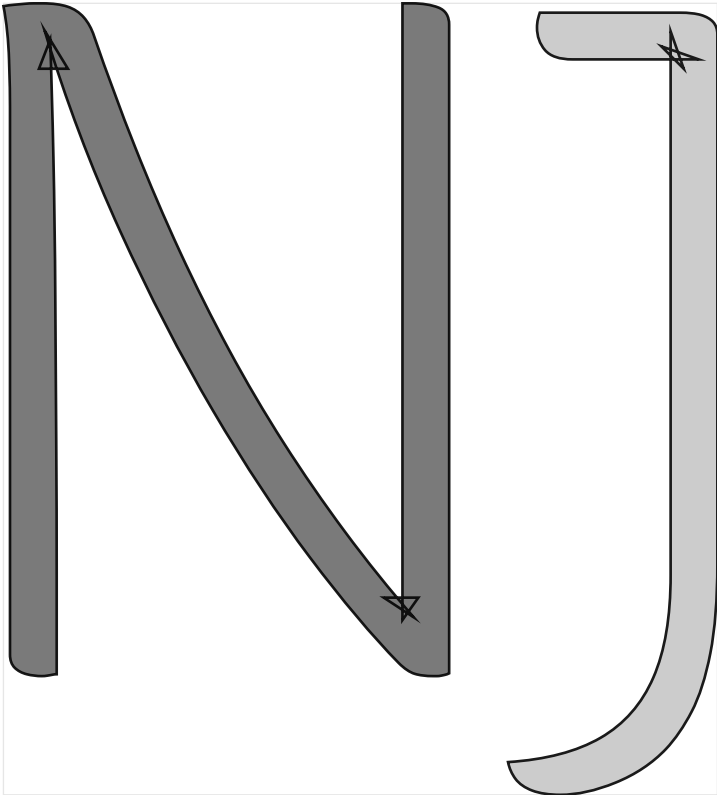
'CASL=1.0 slnt=-14.0497'



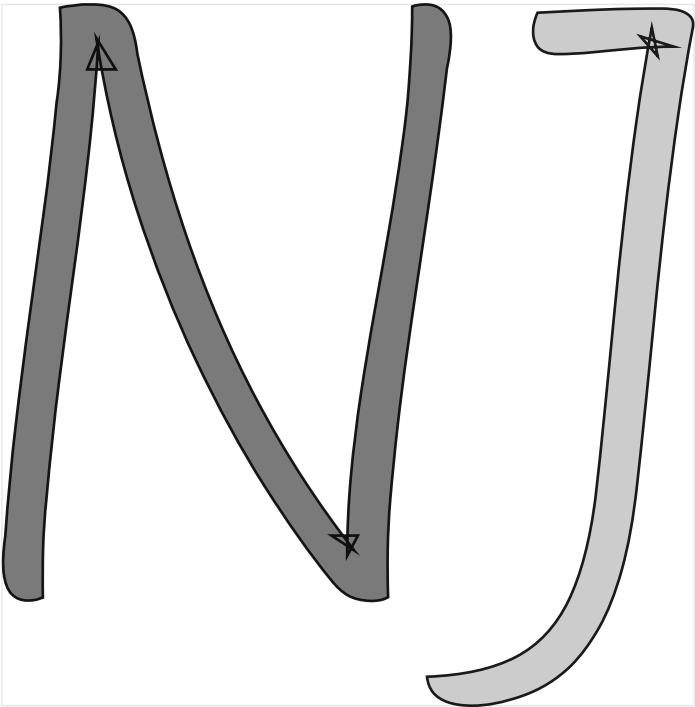


Problems: underweight

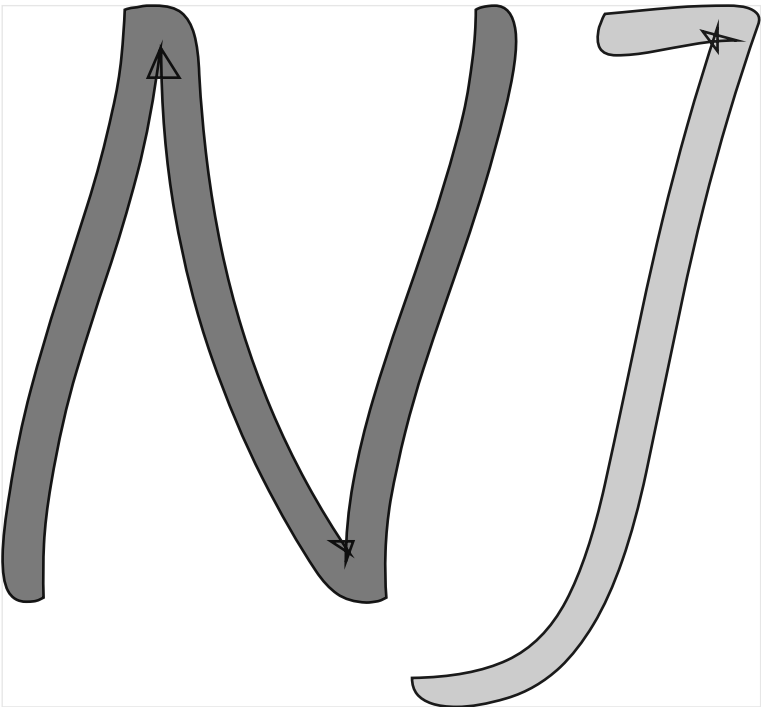
'CASL=1.0'



midway interpolation

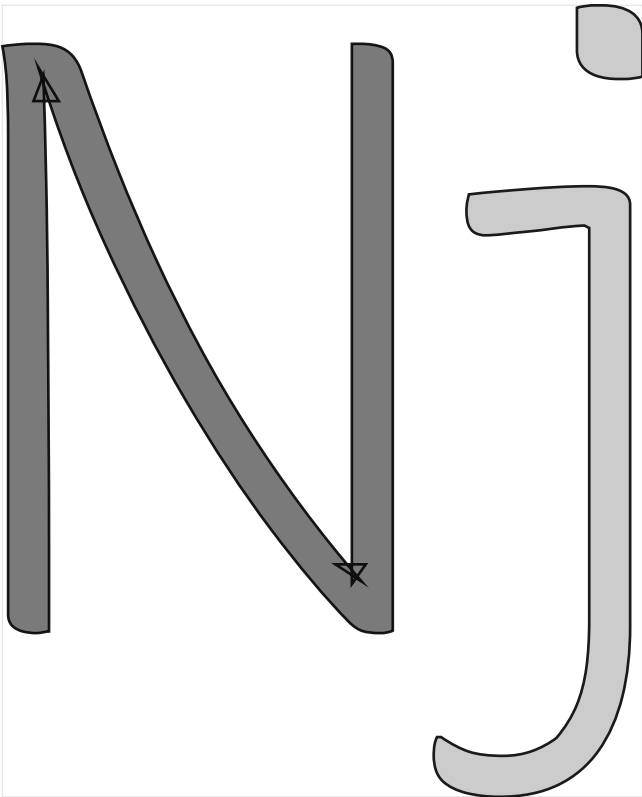


'CASL=1.0 slnt=-14.0497'

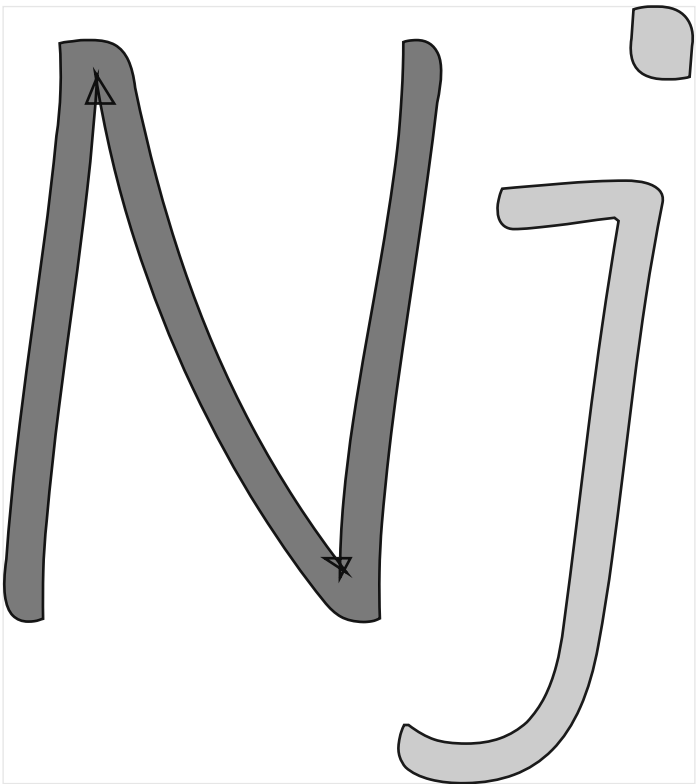


Problems: underweight

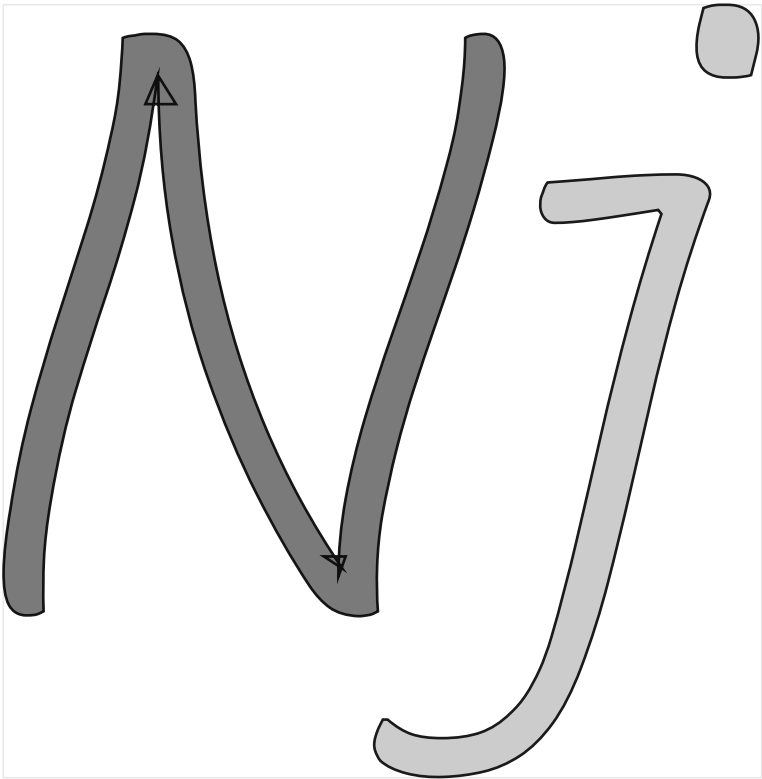
'CASL=1.0'



midway interpolation



'CASL=1.0 slnt=-14.0497'



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