

# Problem report for:

**RobotoSerif[GRAD,opsz,width,wght].ttf**

sha1: 4d06756b81b30d1dd7c7618eff7986b61439d133

Family name: Roboto Serif

Version: Version 1.008

## Parameters:

Error tolerance: 0.95

Kink—reporting aggressiveness: 0.5

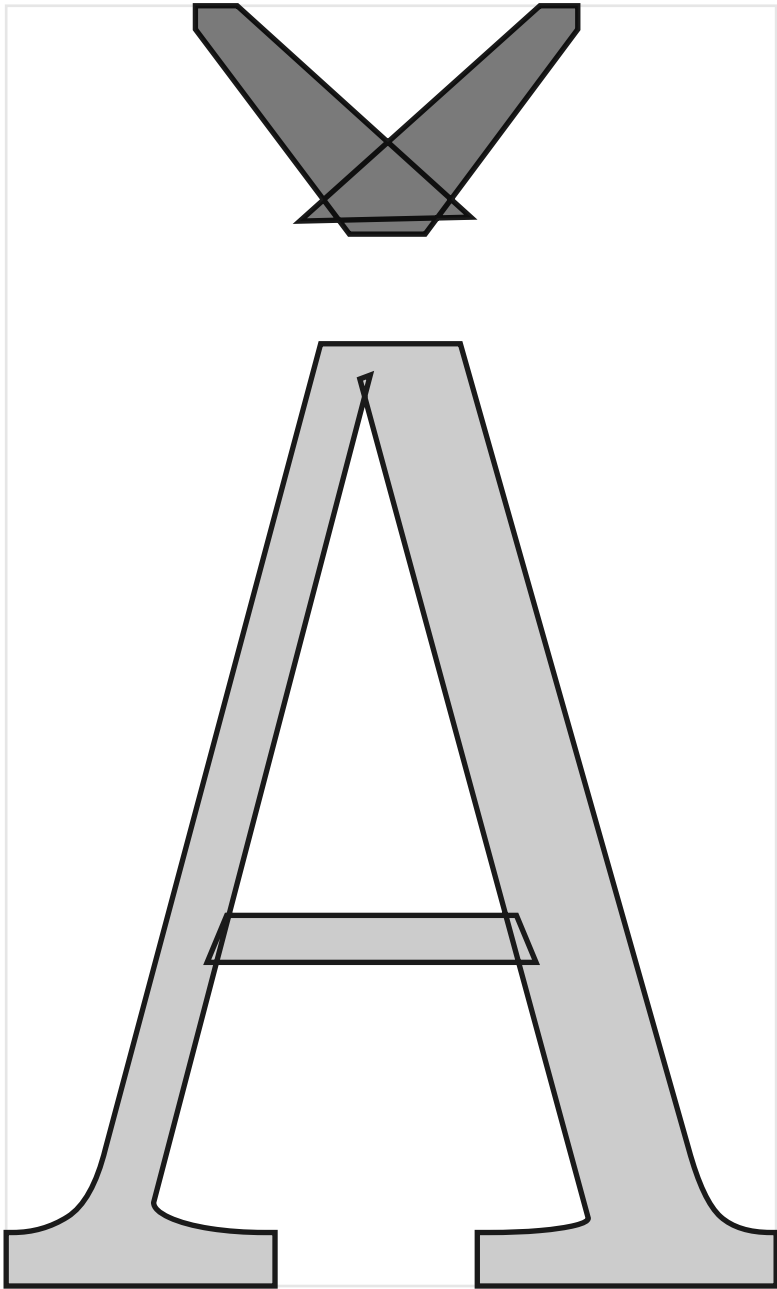
## Legend:

-  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

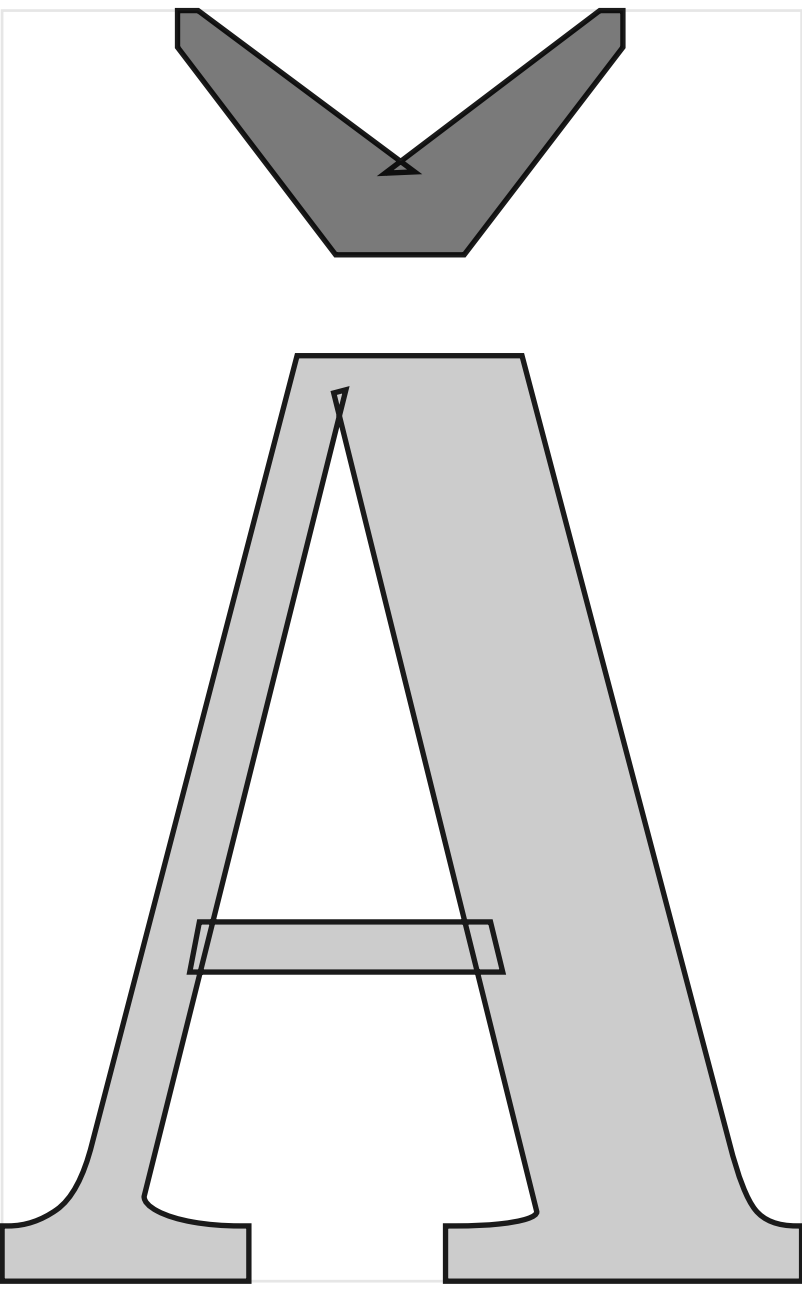
Tolerance: badness; closer to zero the worse

underweight

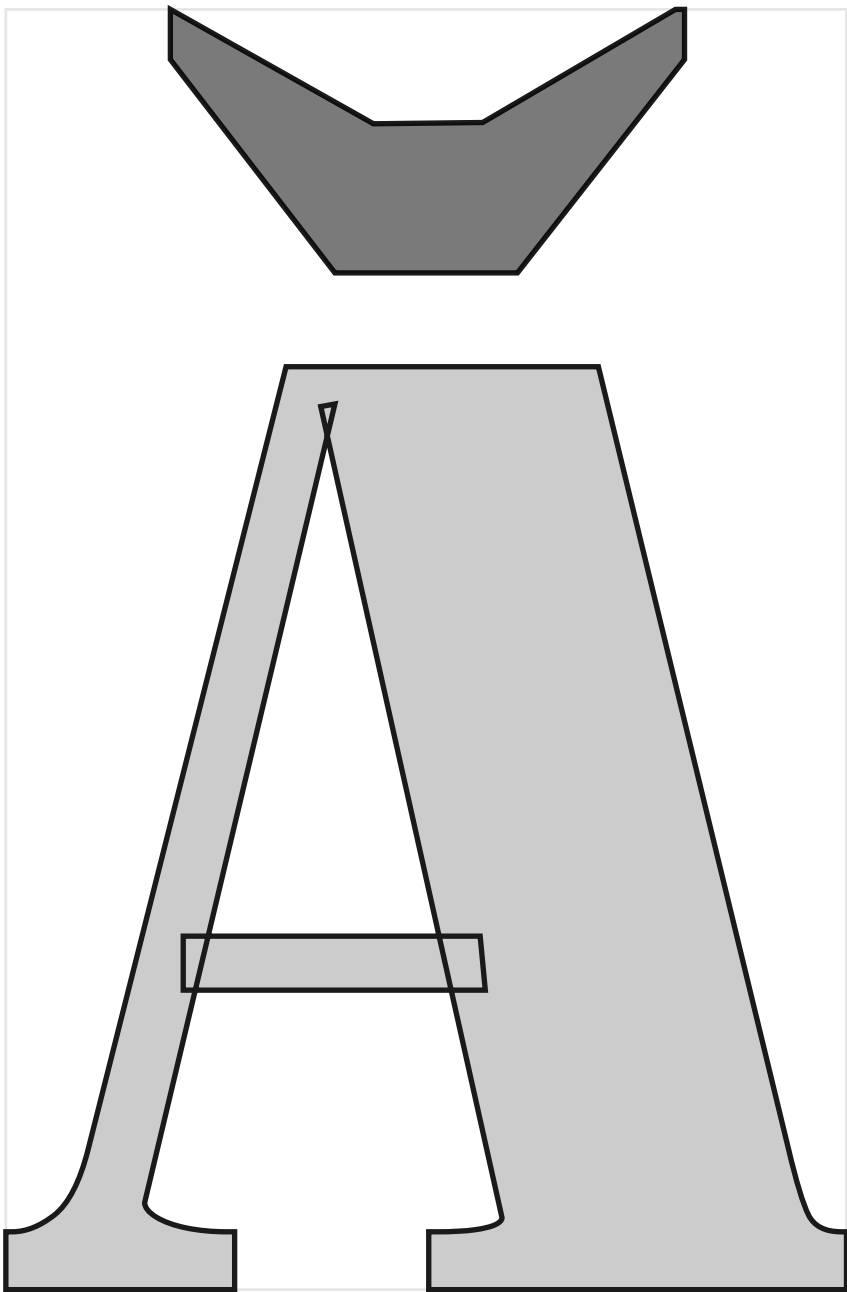
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

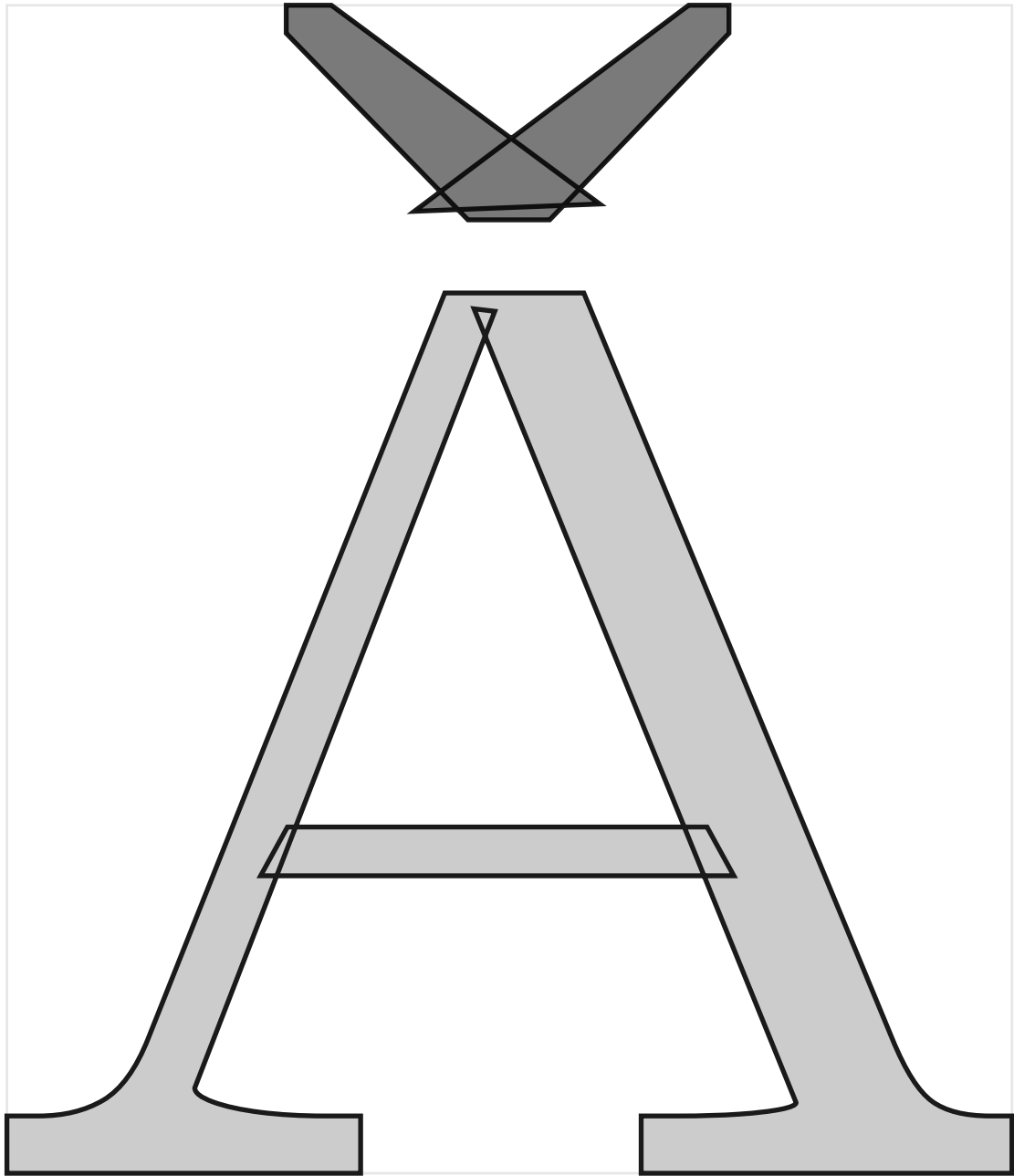


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

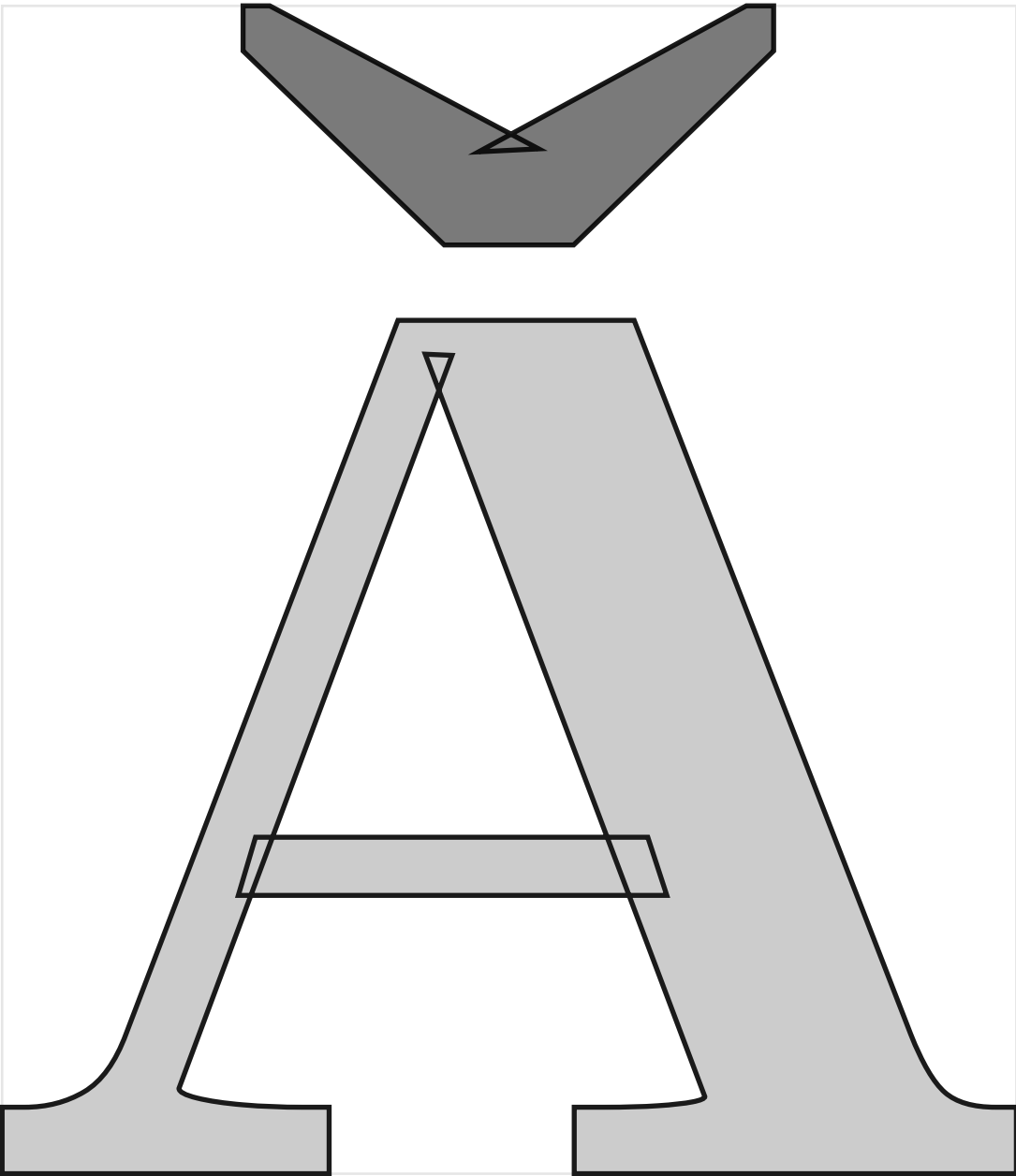


underweight

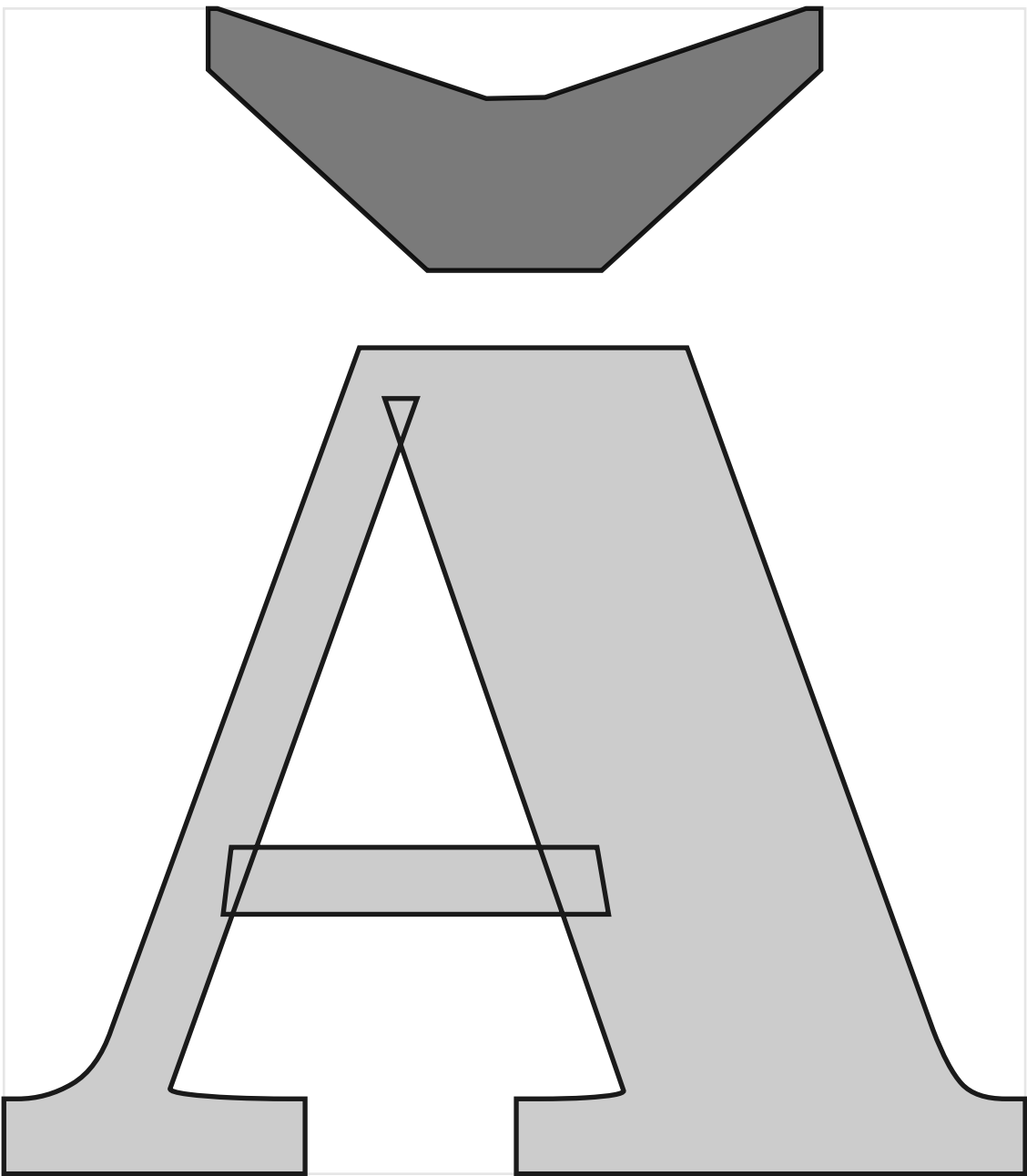
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

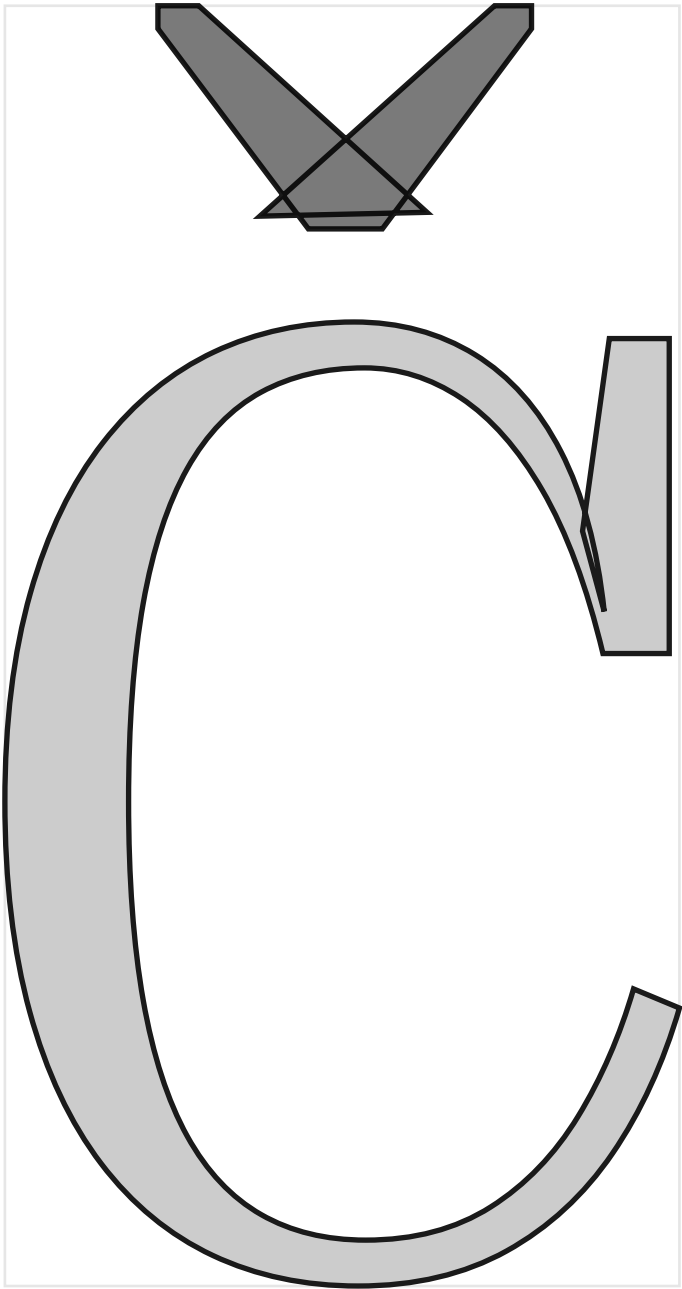


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

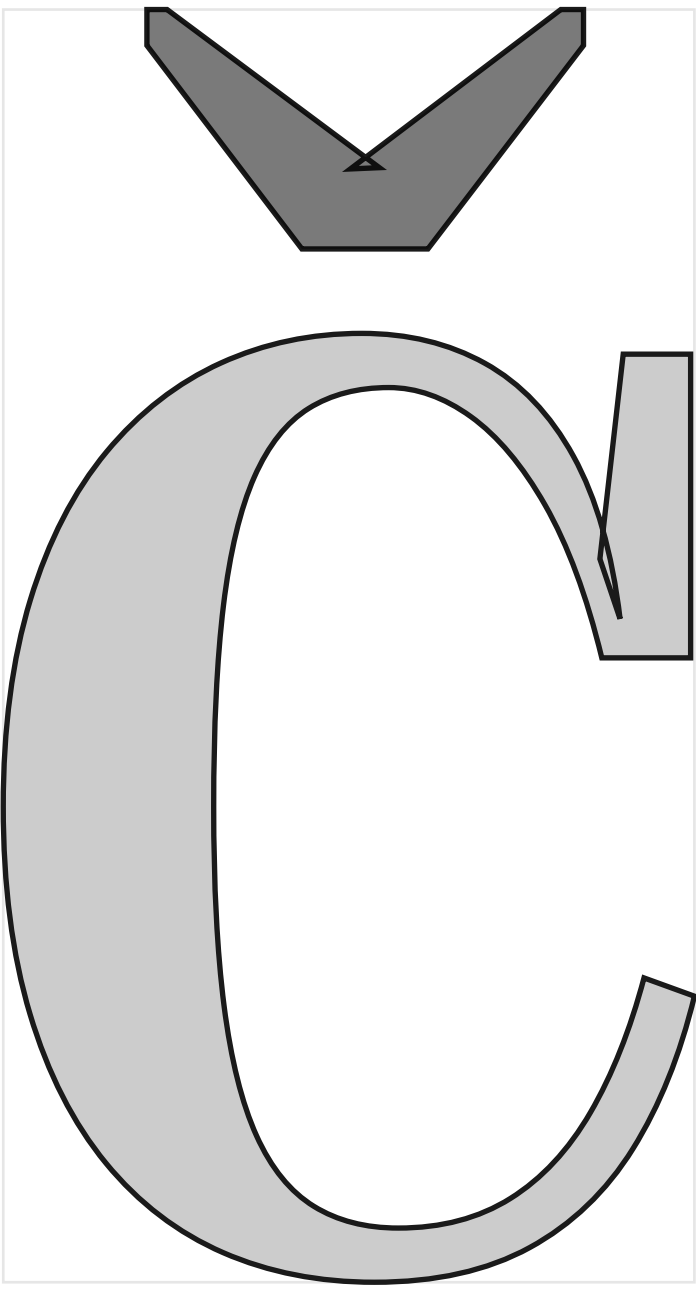


underweight

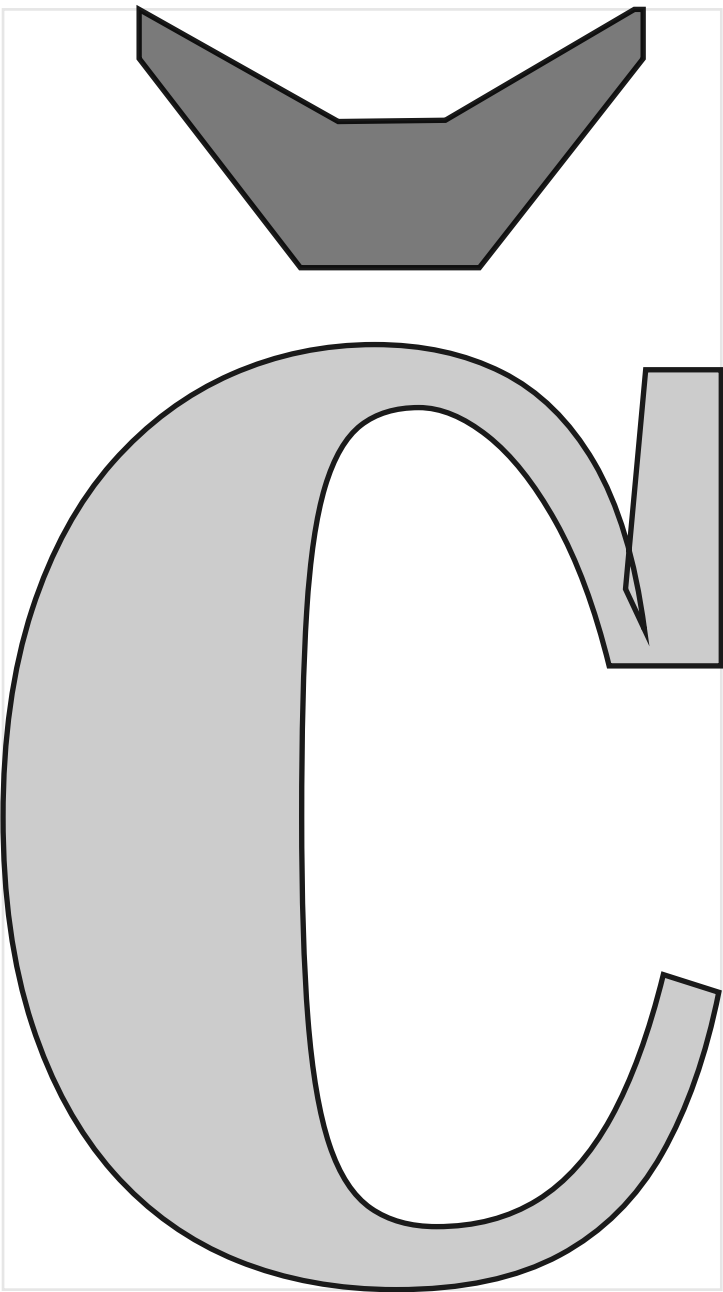
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

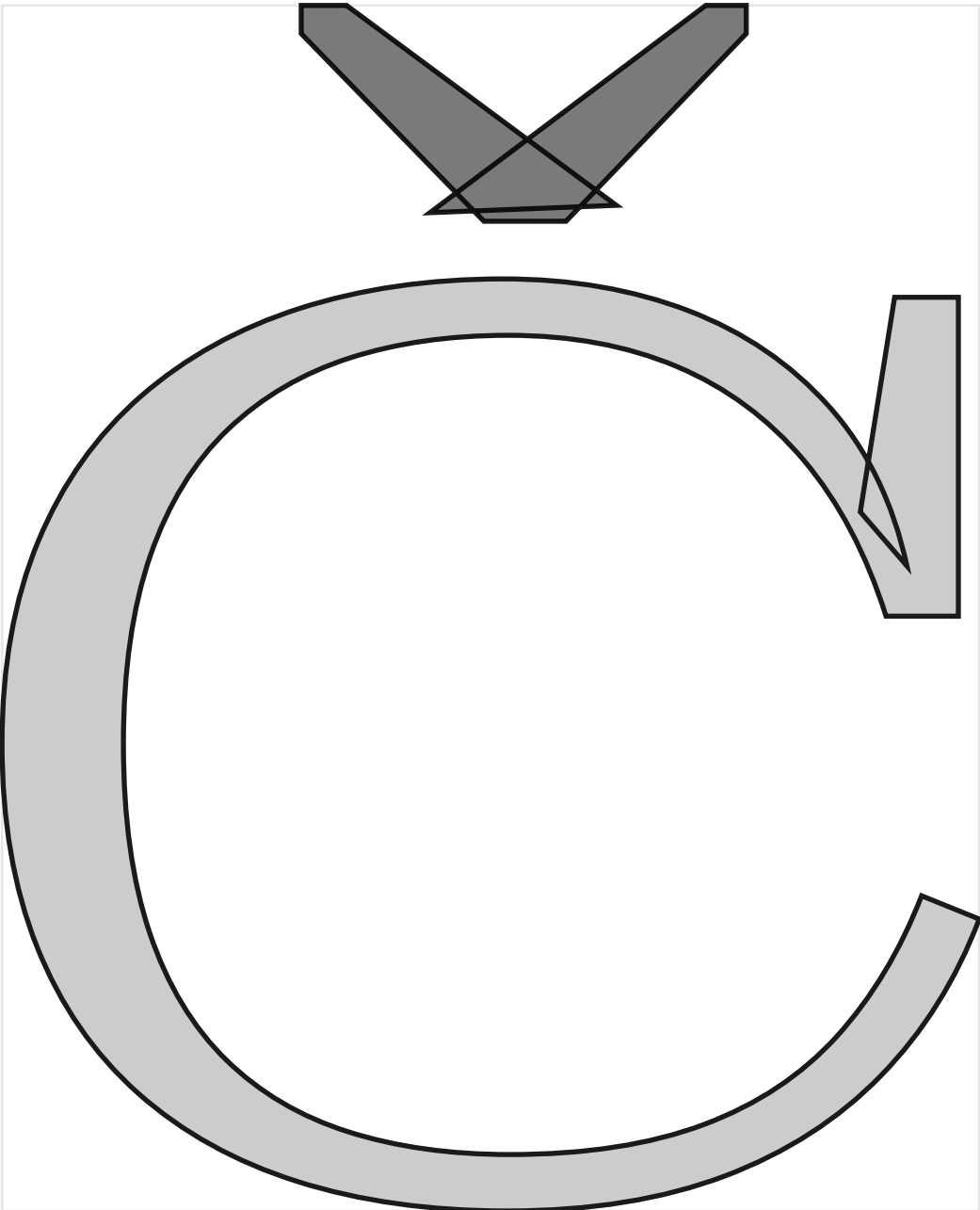


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

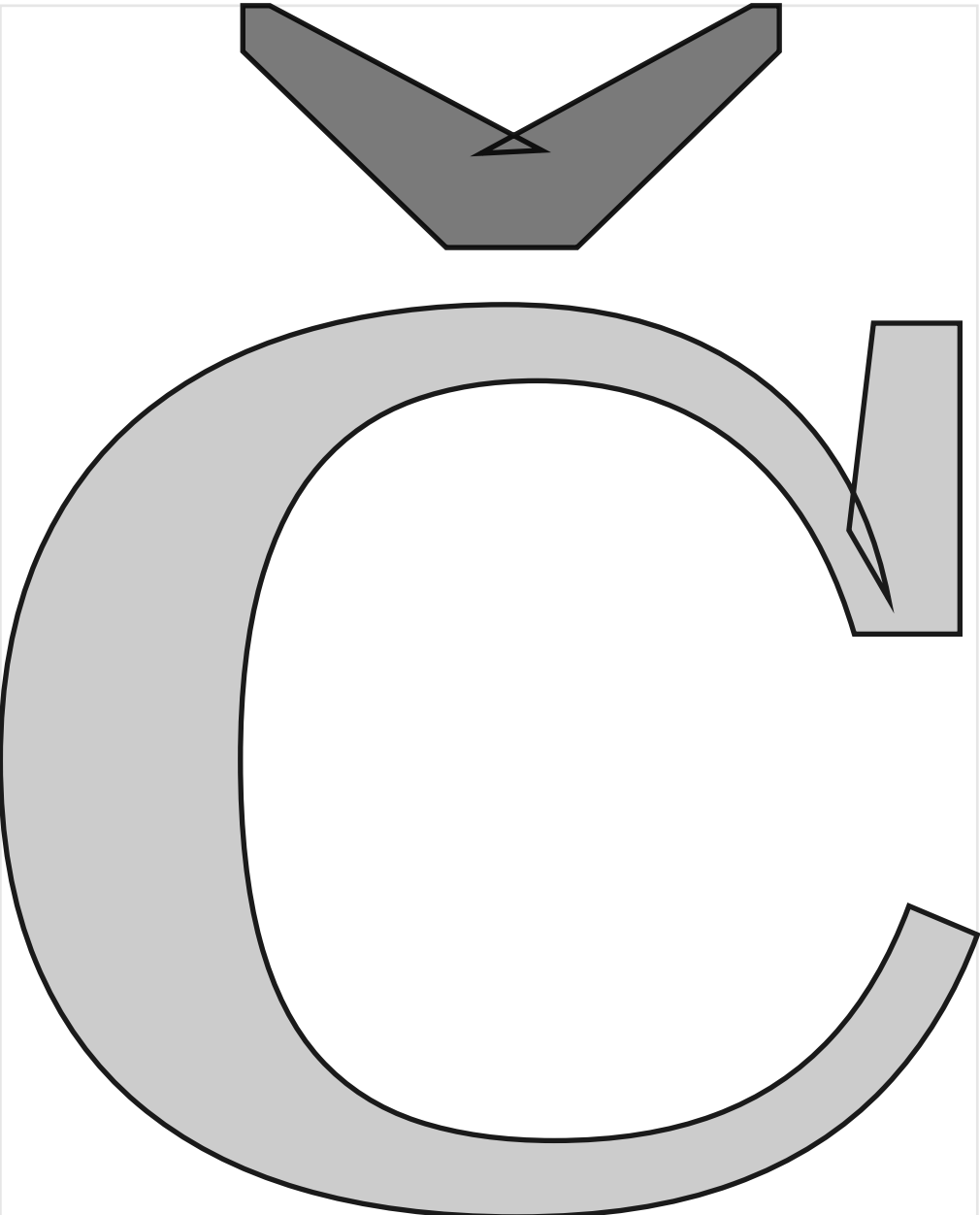


underweight

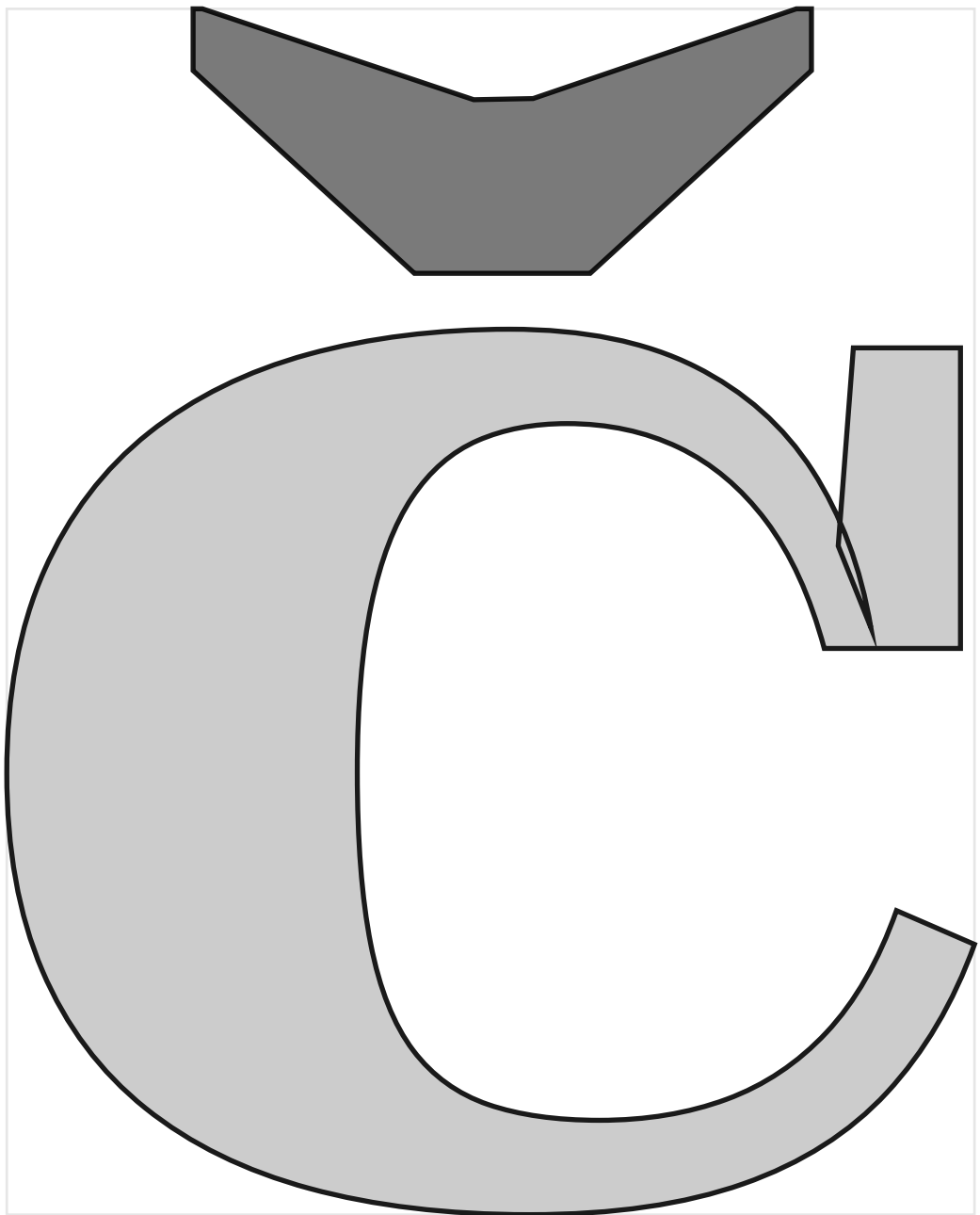
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

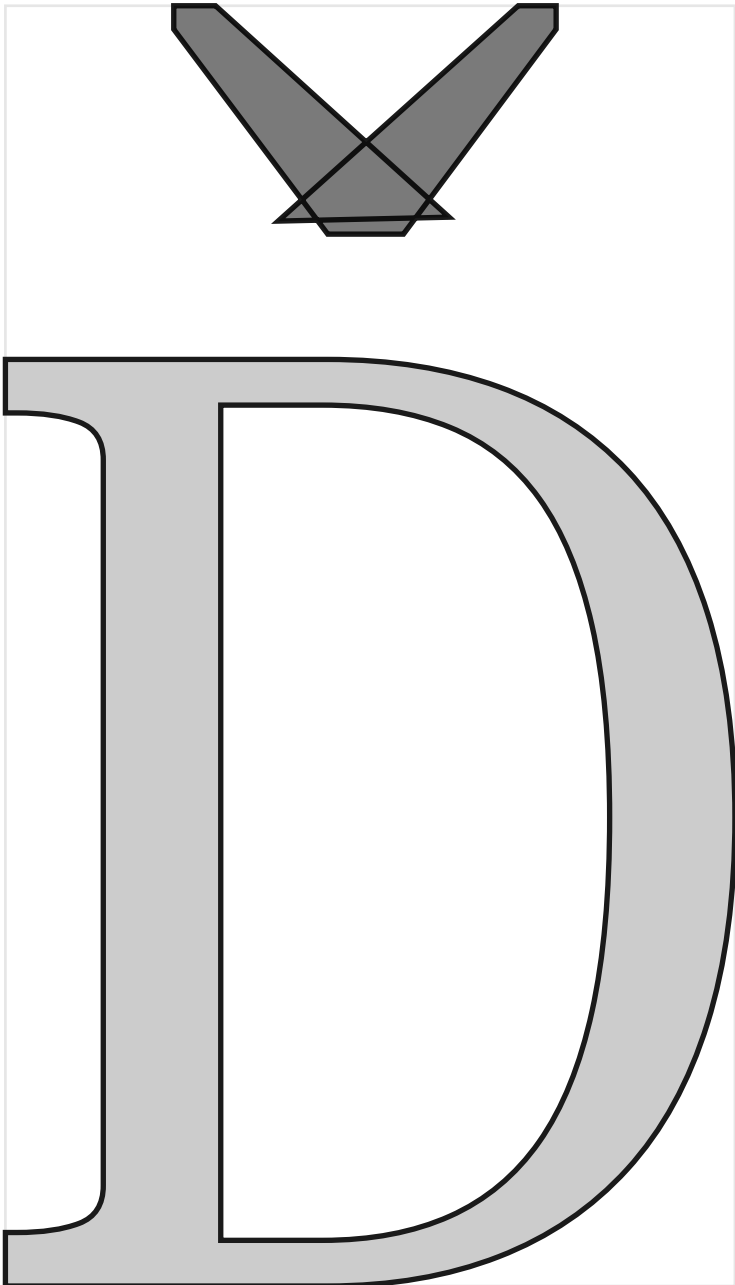


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

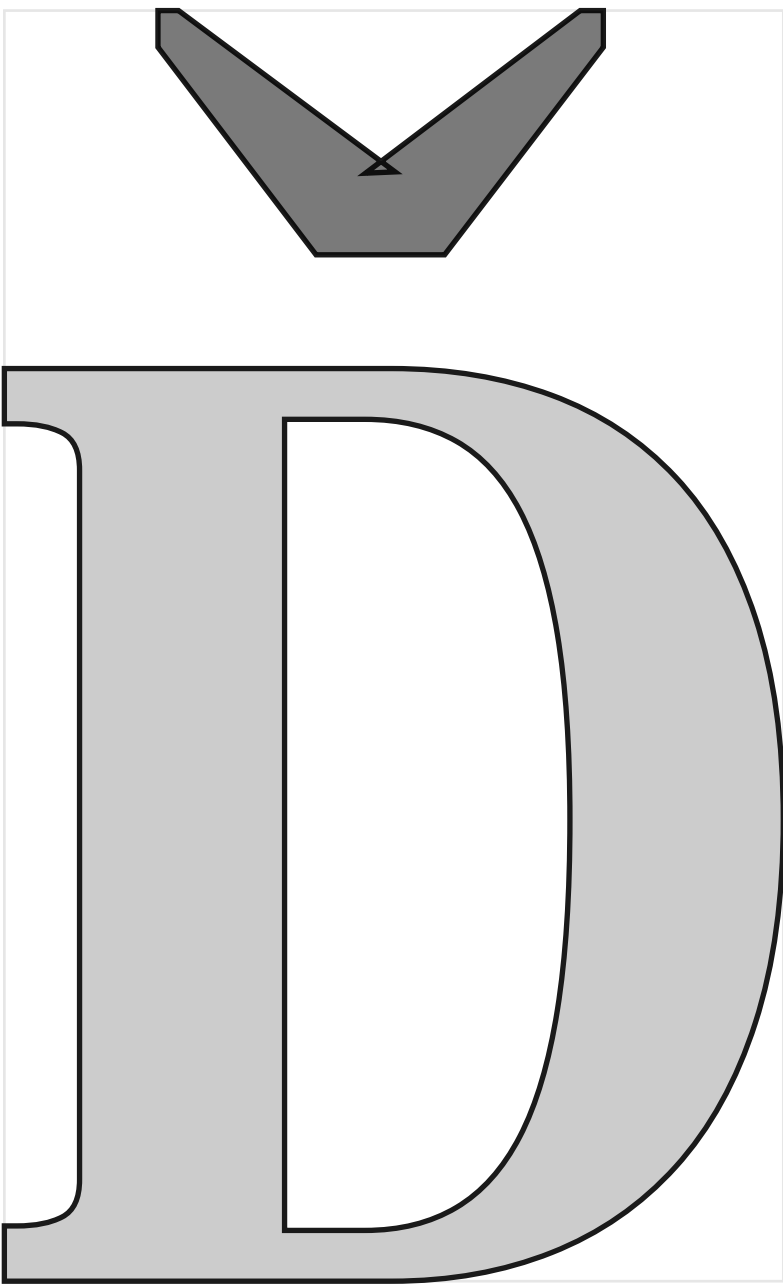


underweight

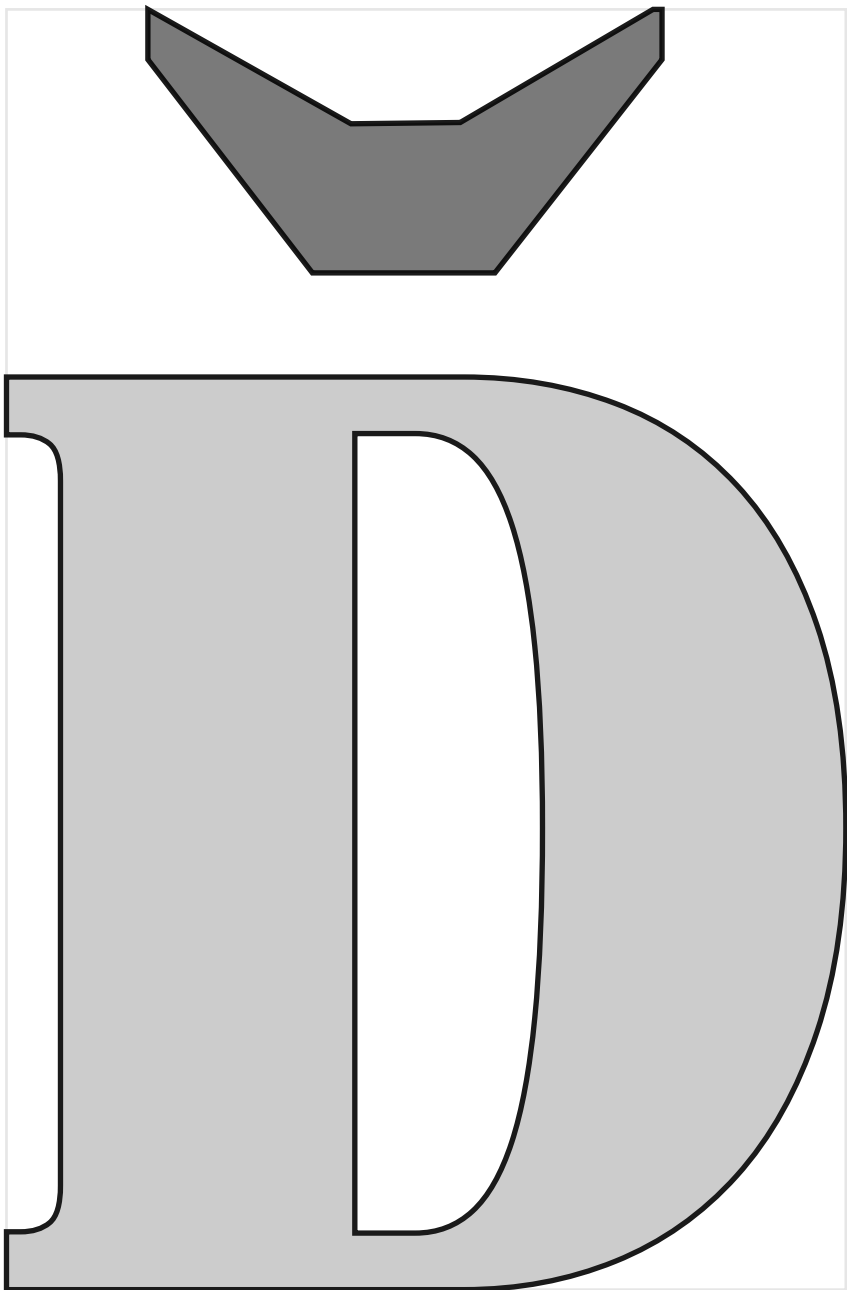
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation



'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

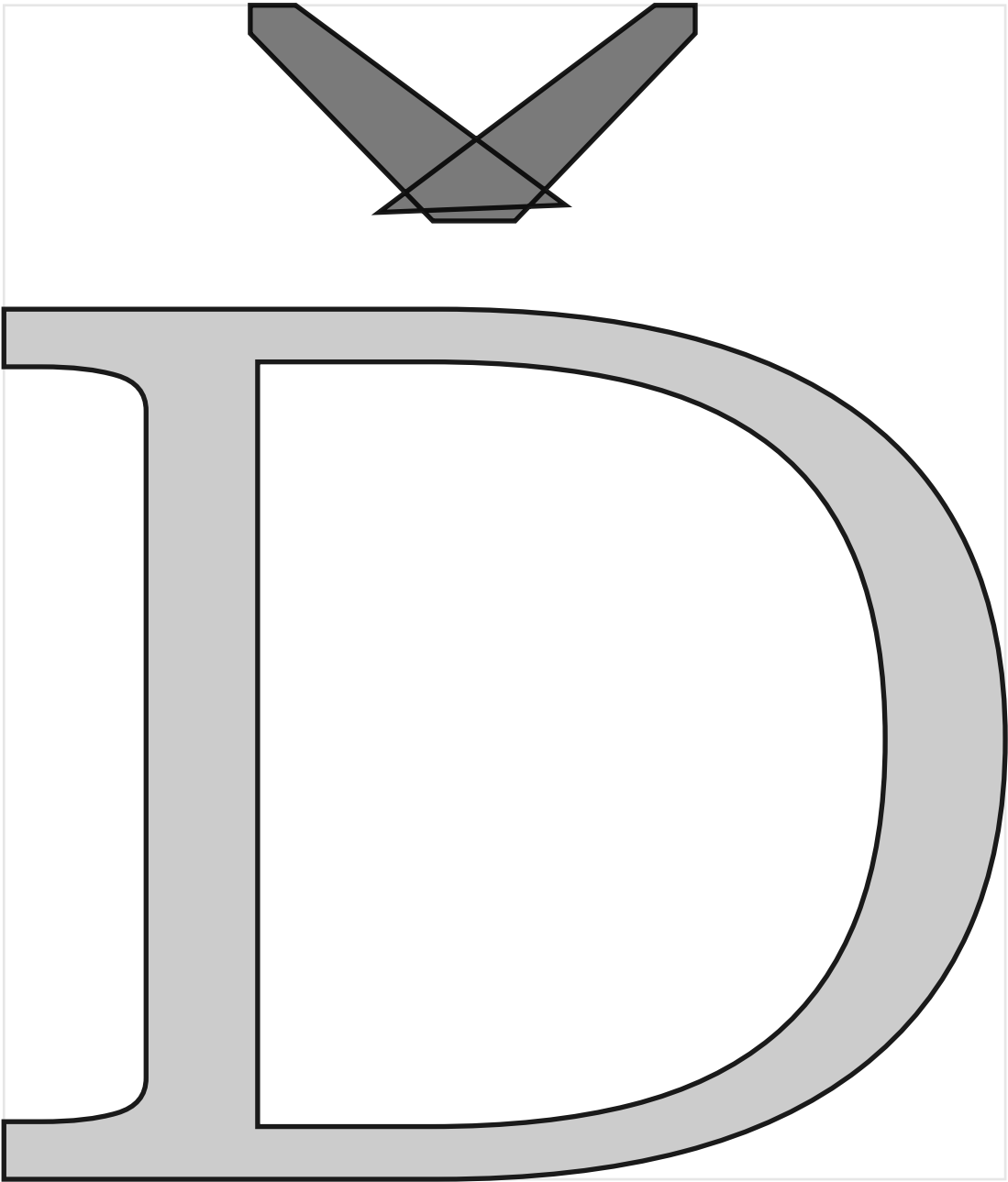


Glyph name: Dcaron

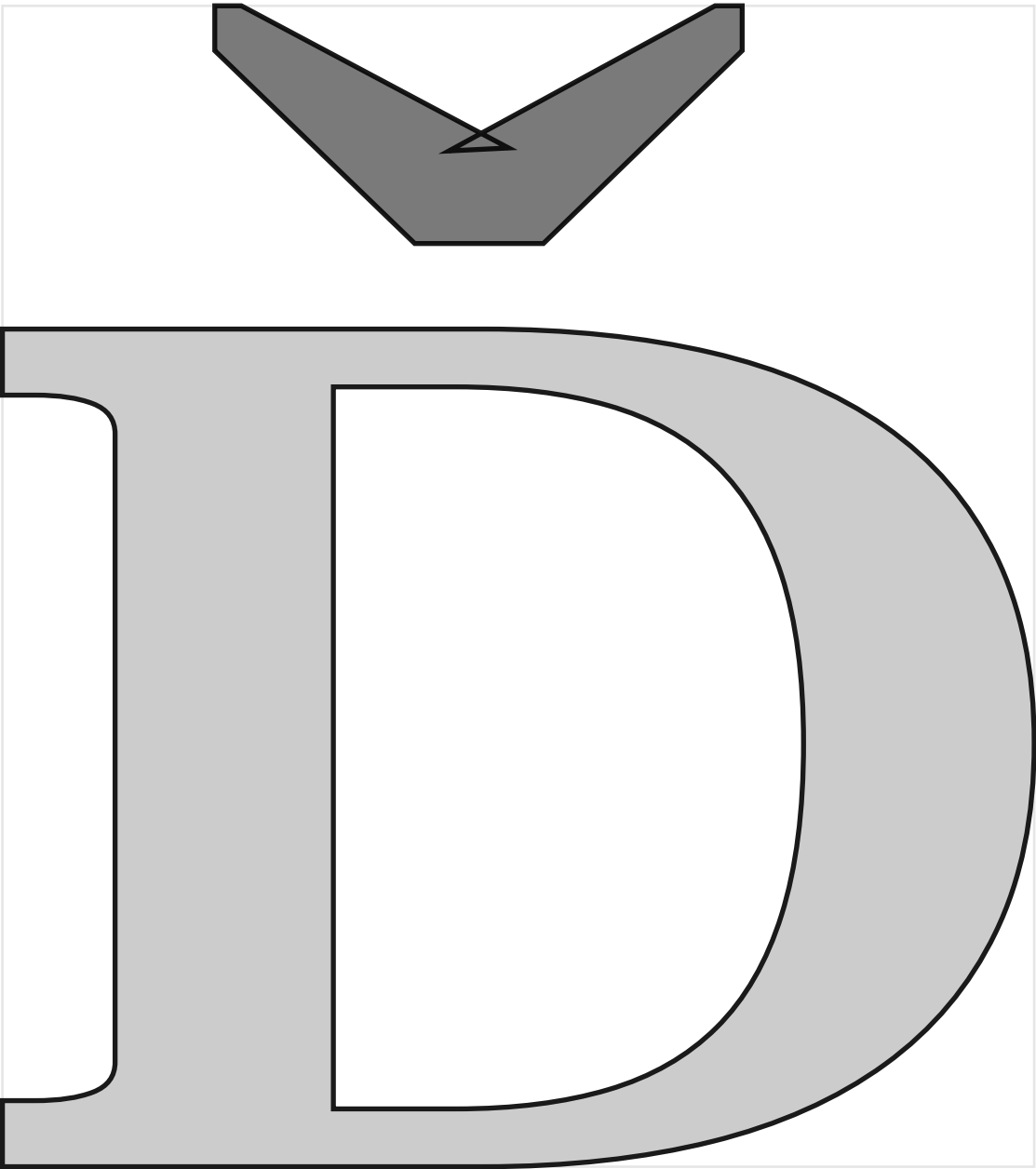
tolerance: 0.93

underweight

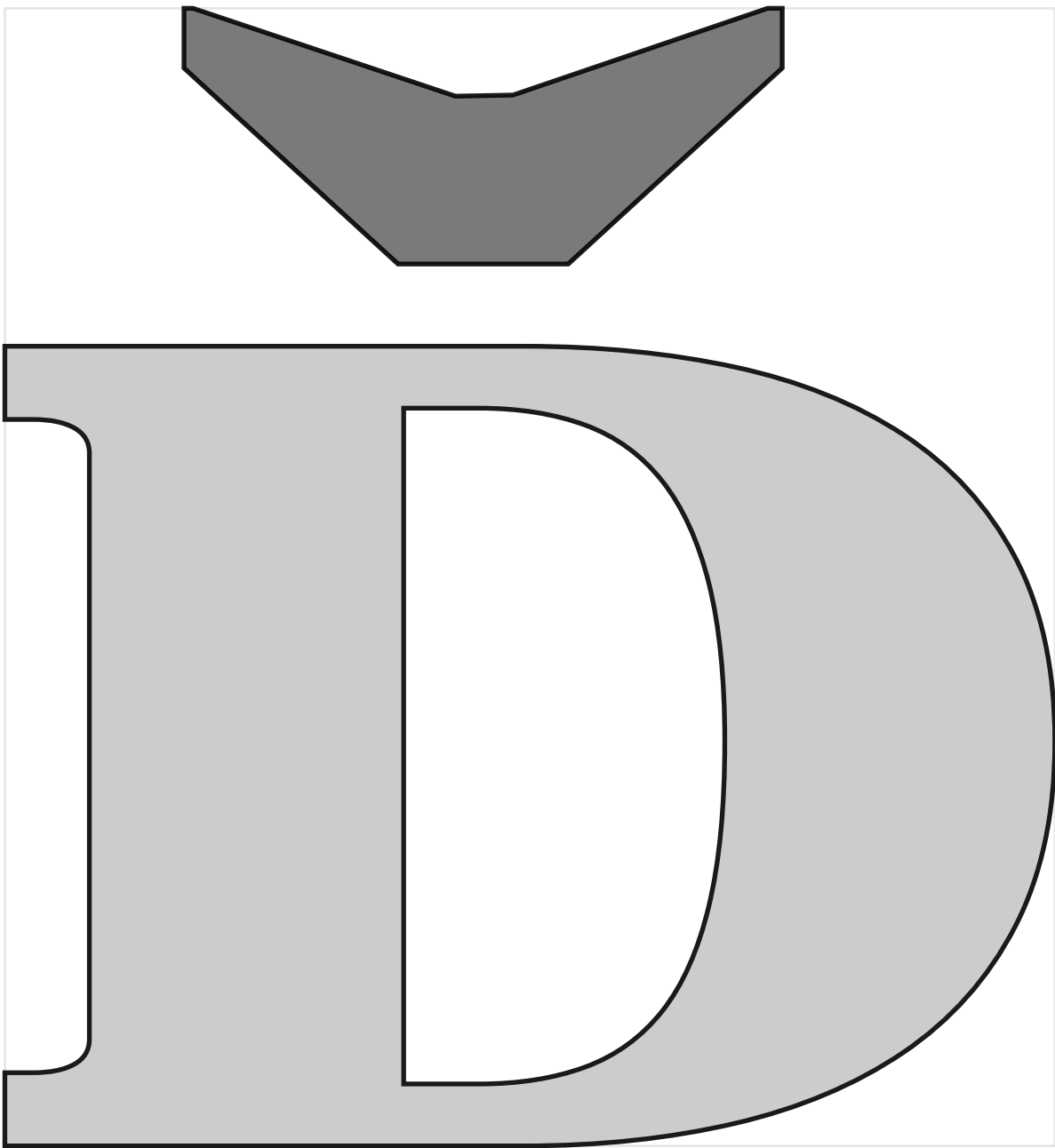
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

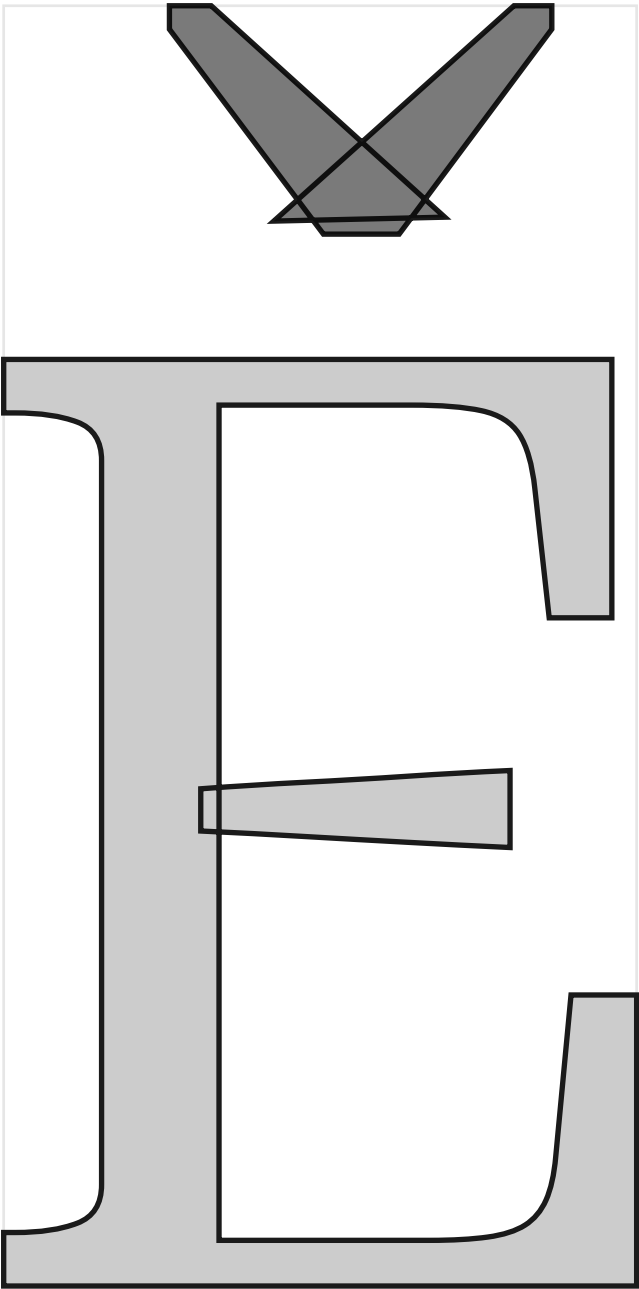


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

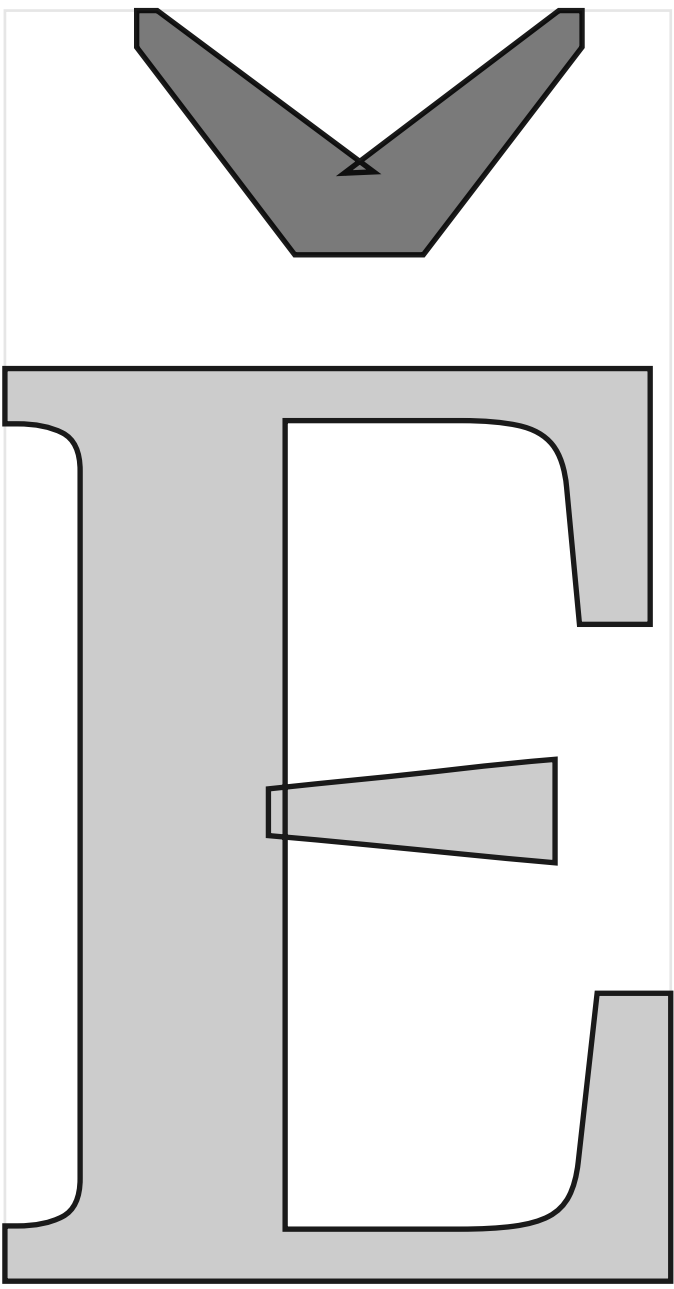


underweight

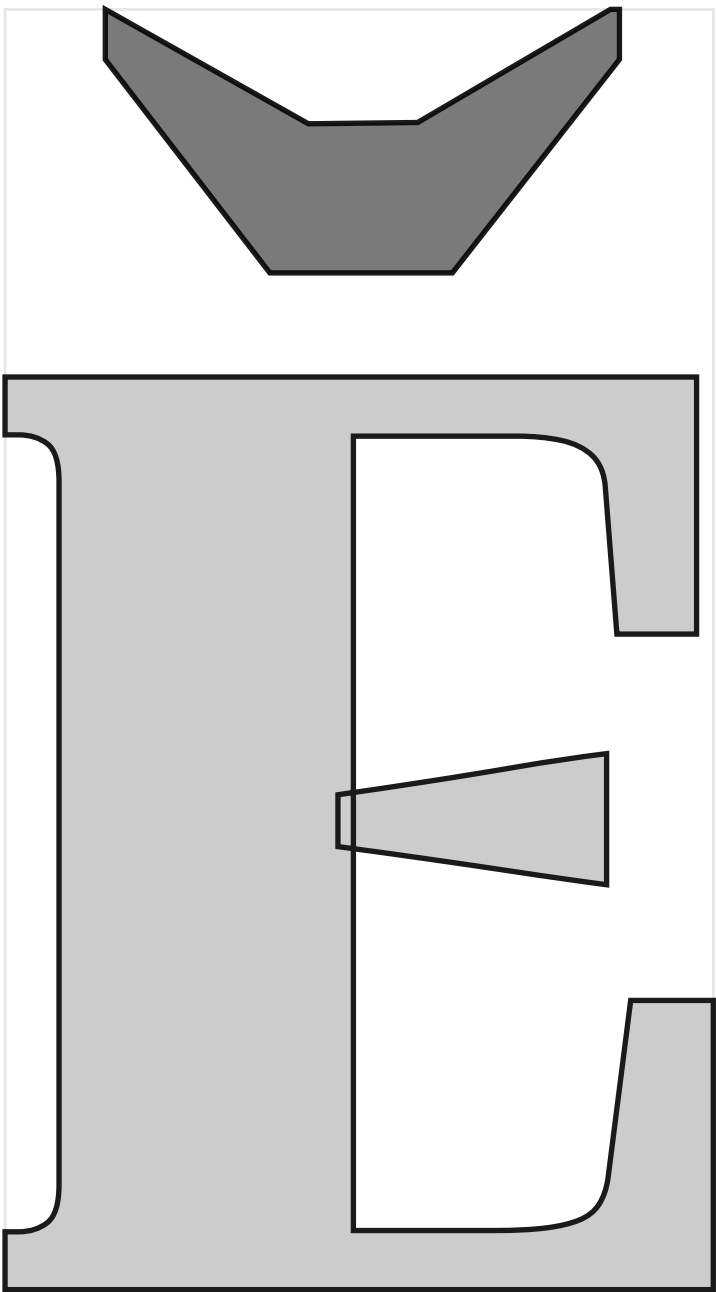
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation



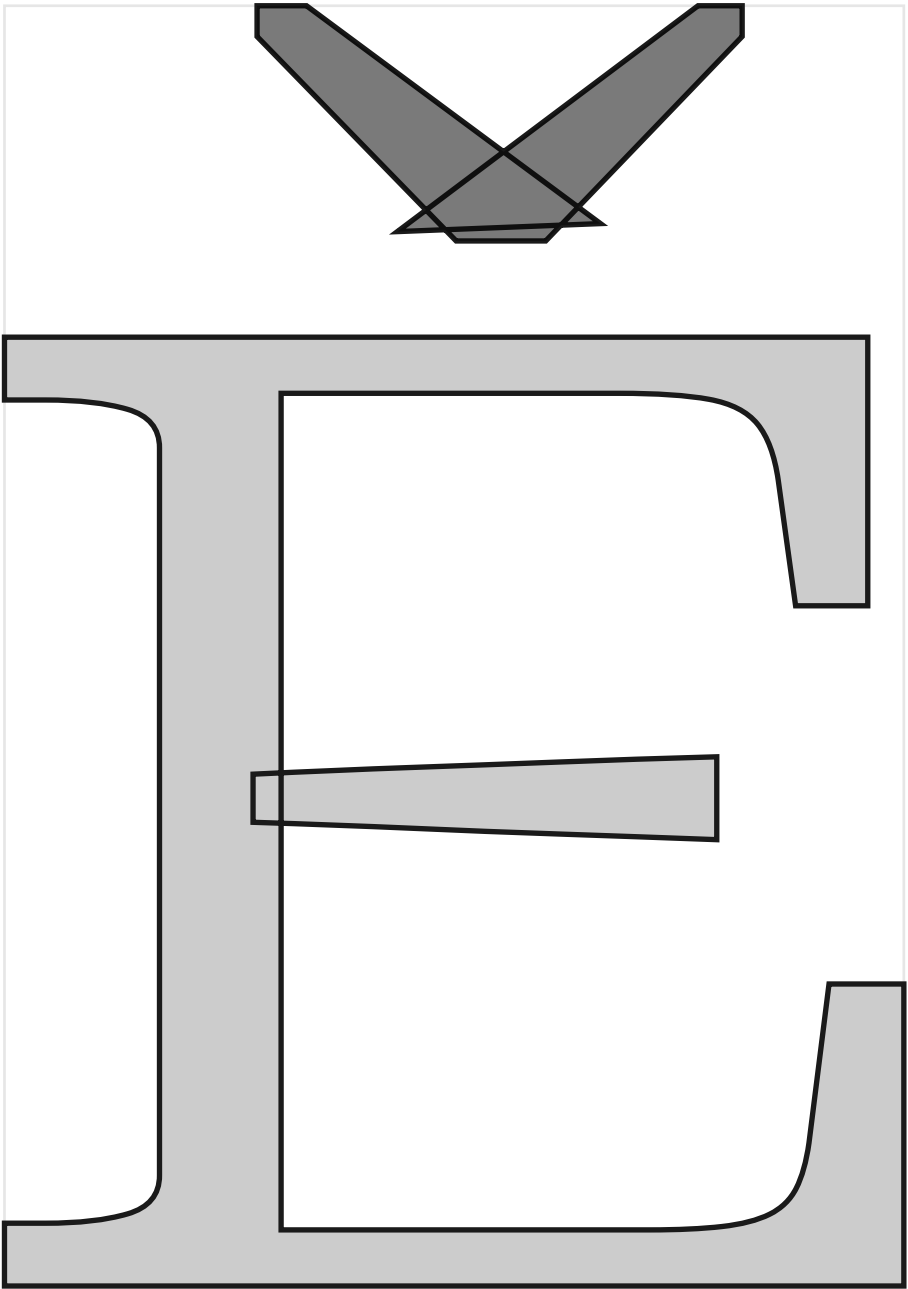
'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'



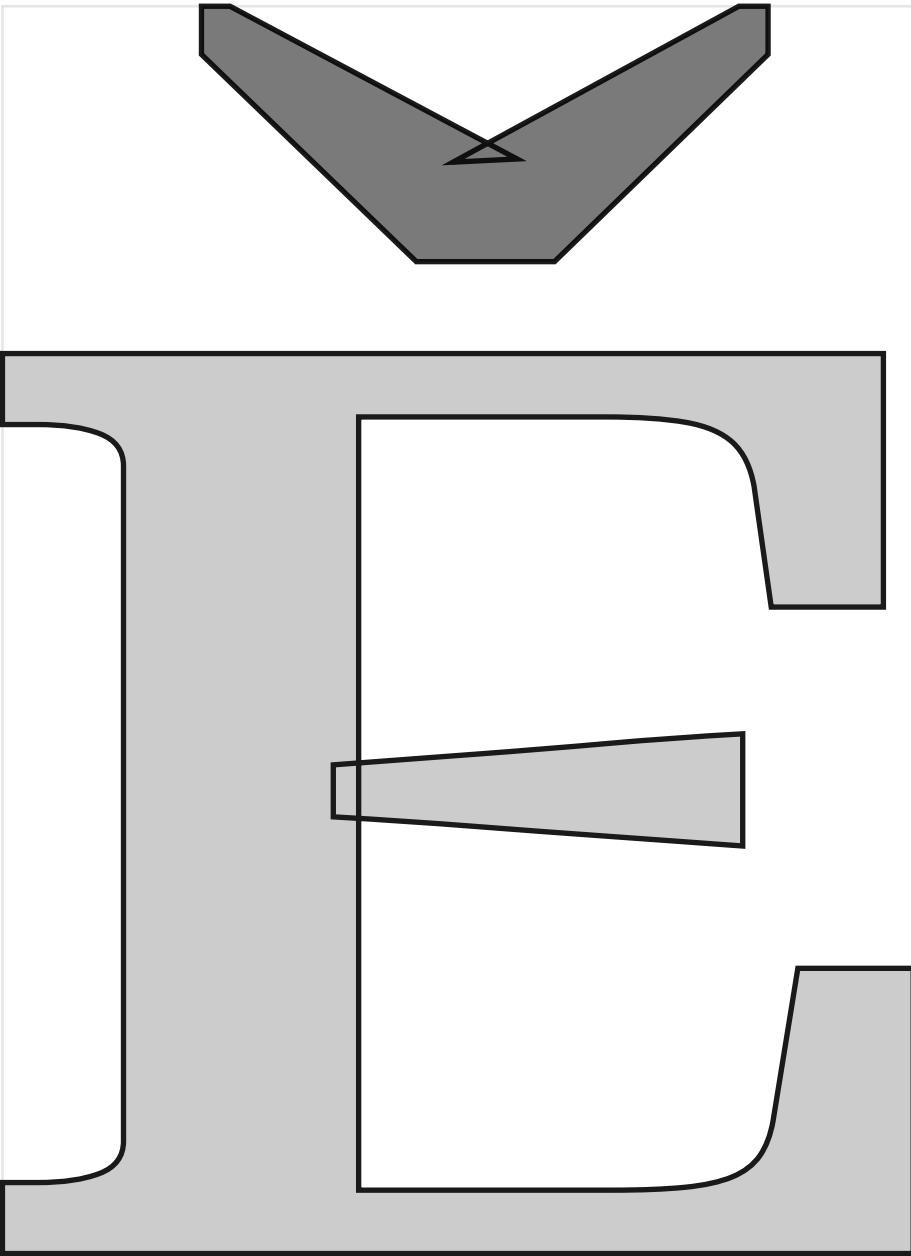


underweight

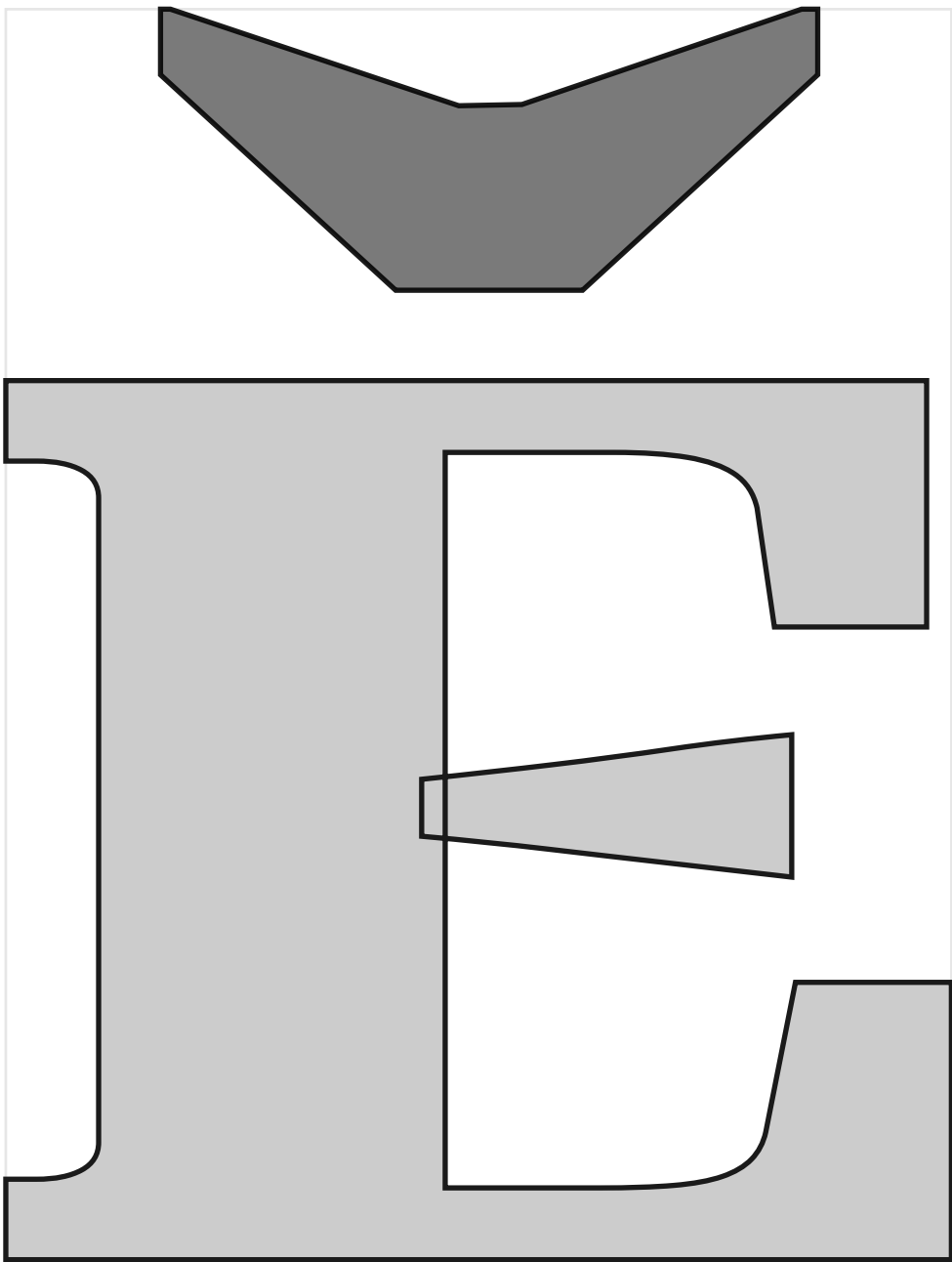
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

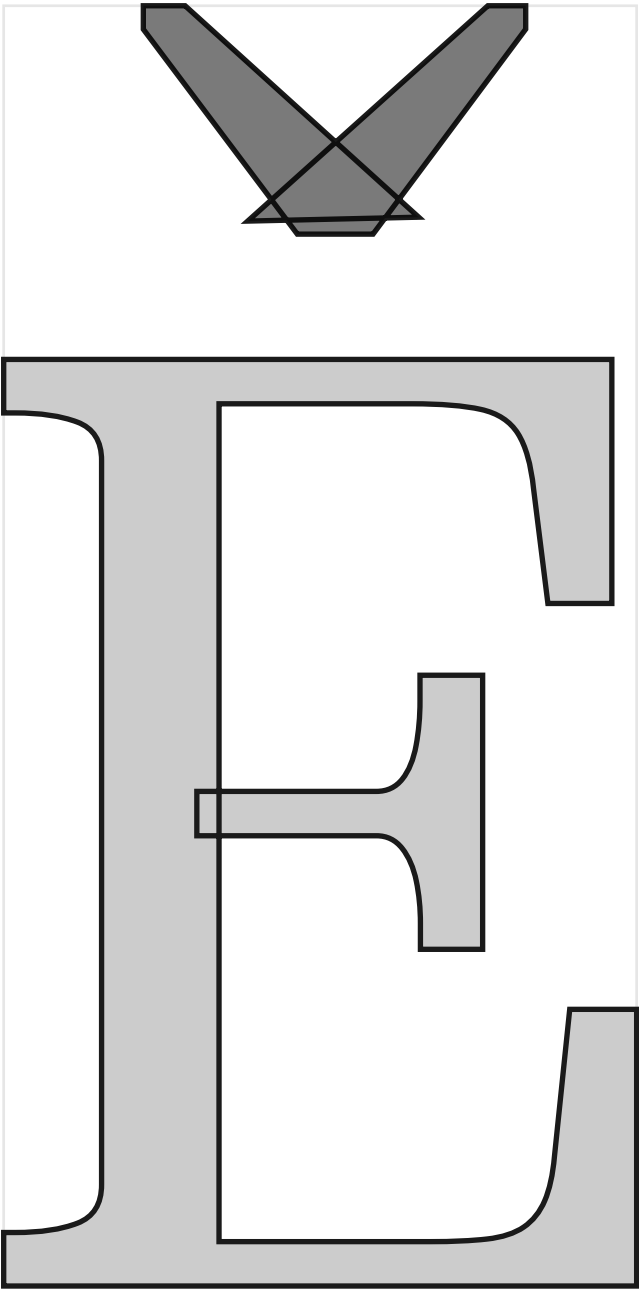


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

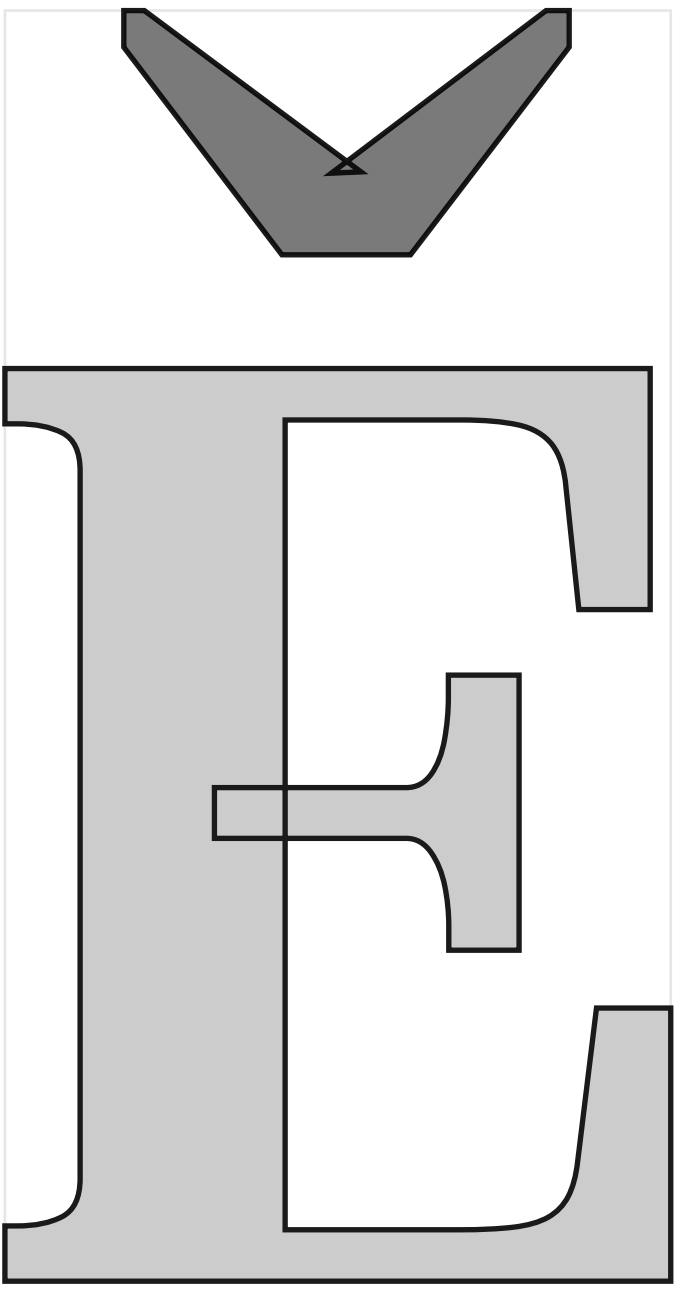


underweight

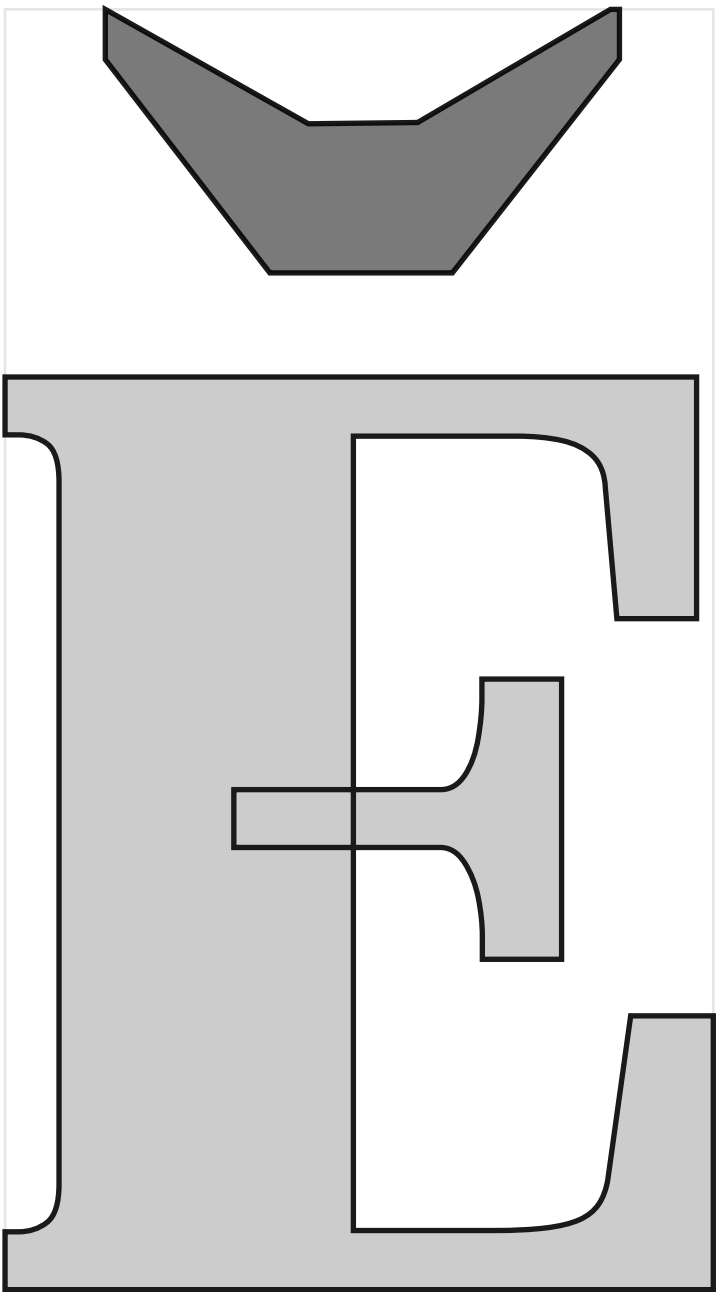
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

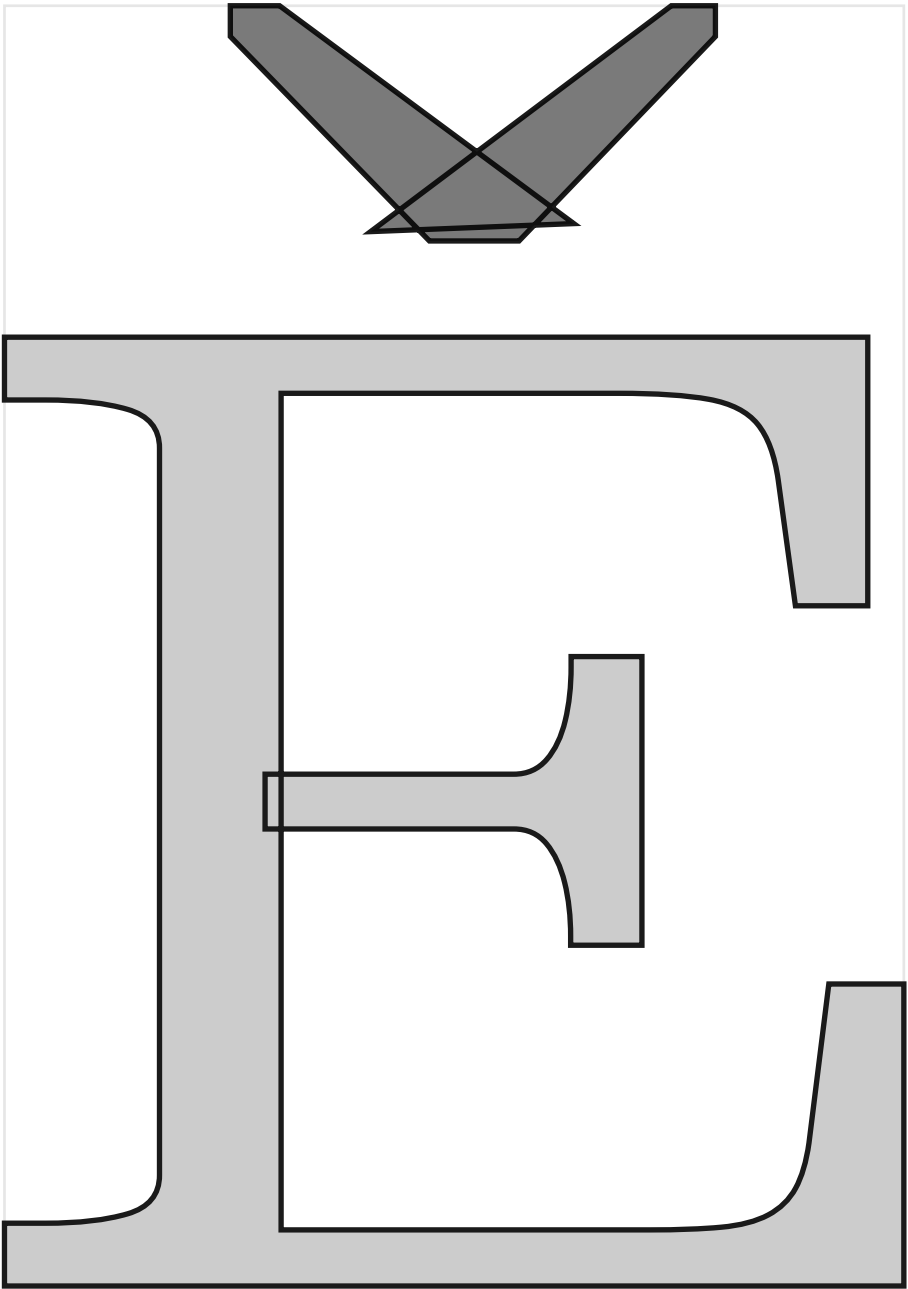


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

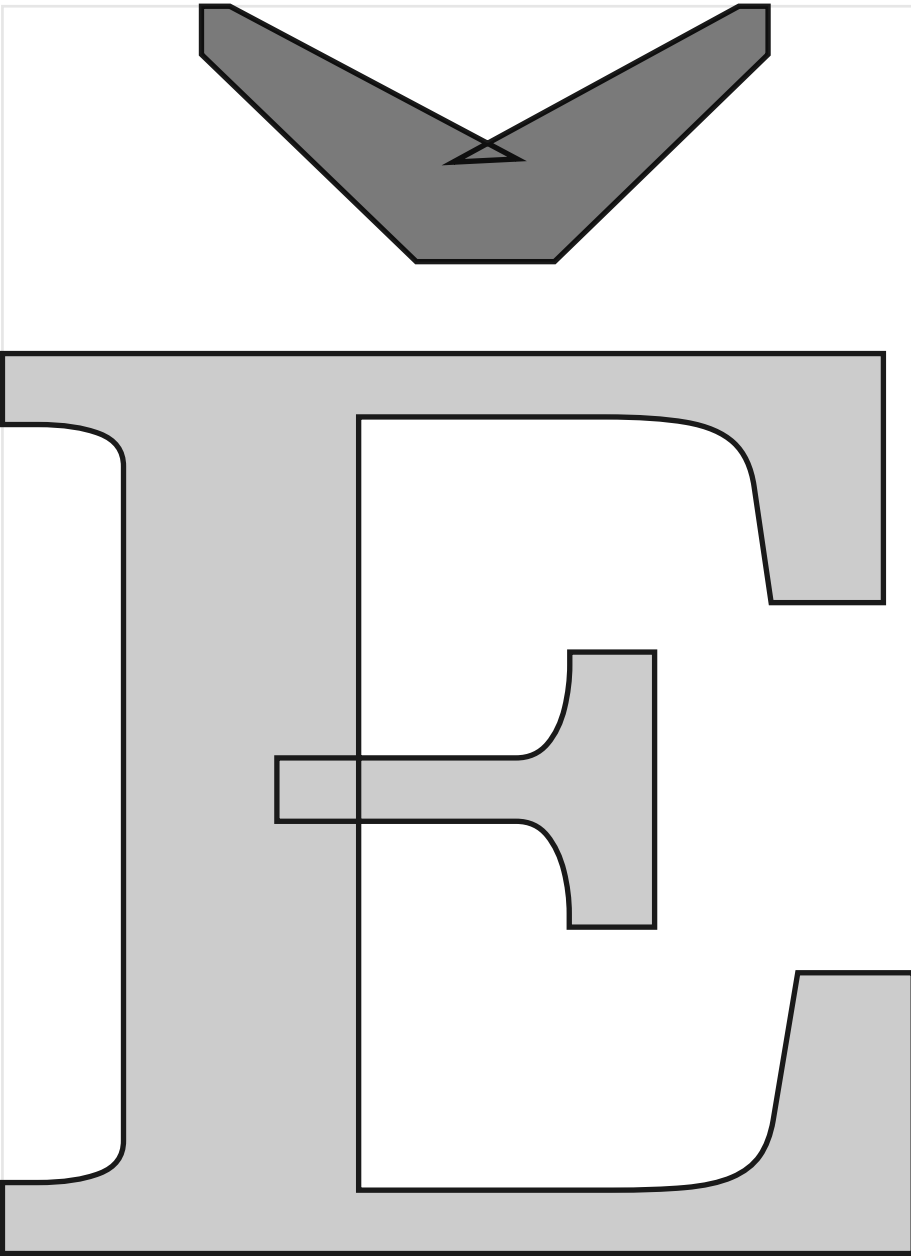


underweight

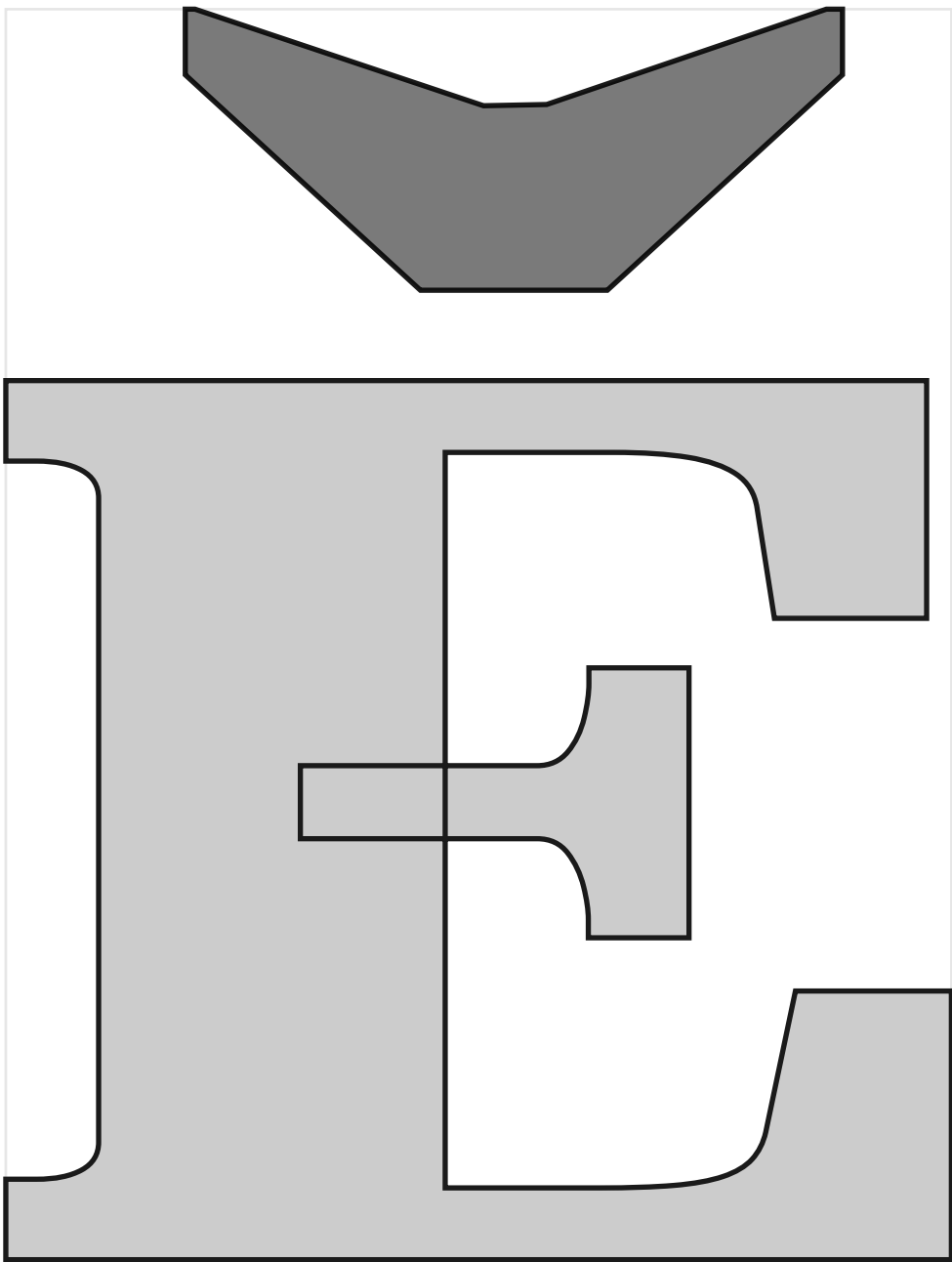
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

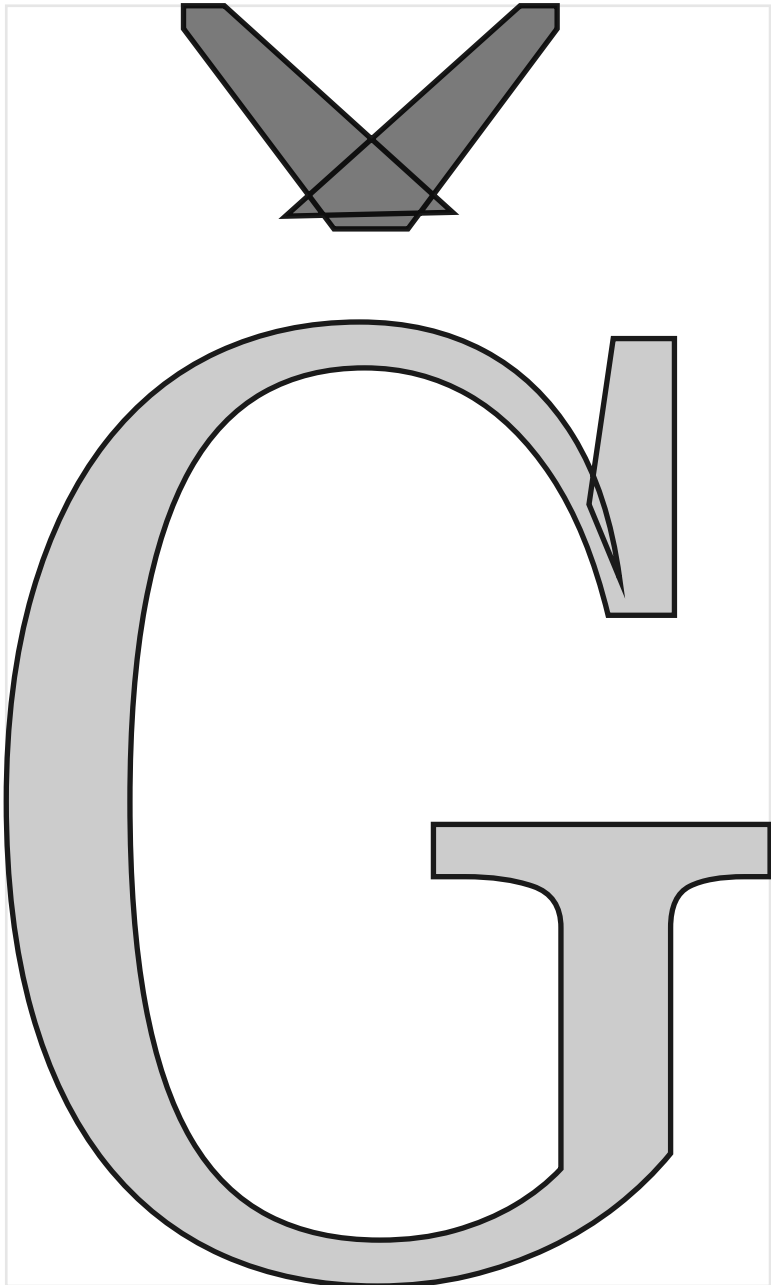


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

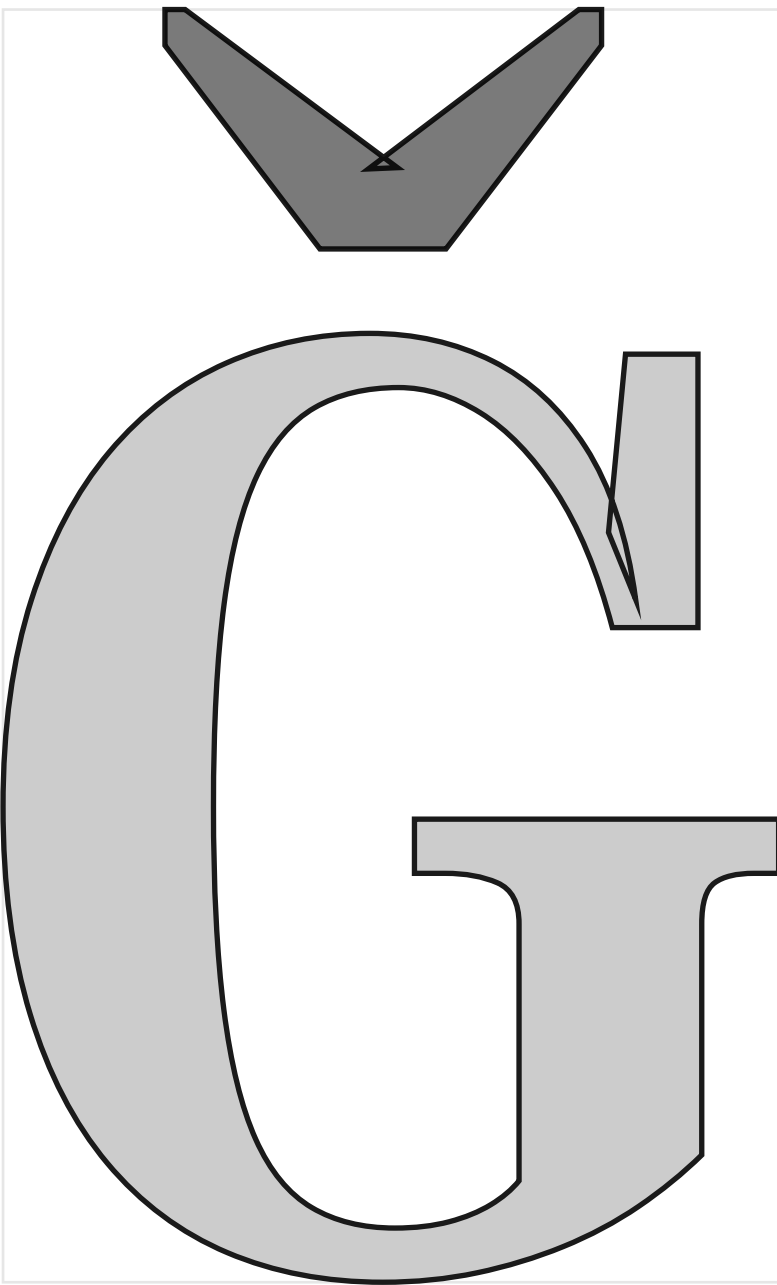


underweight

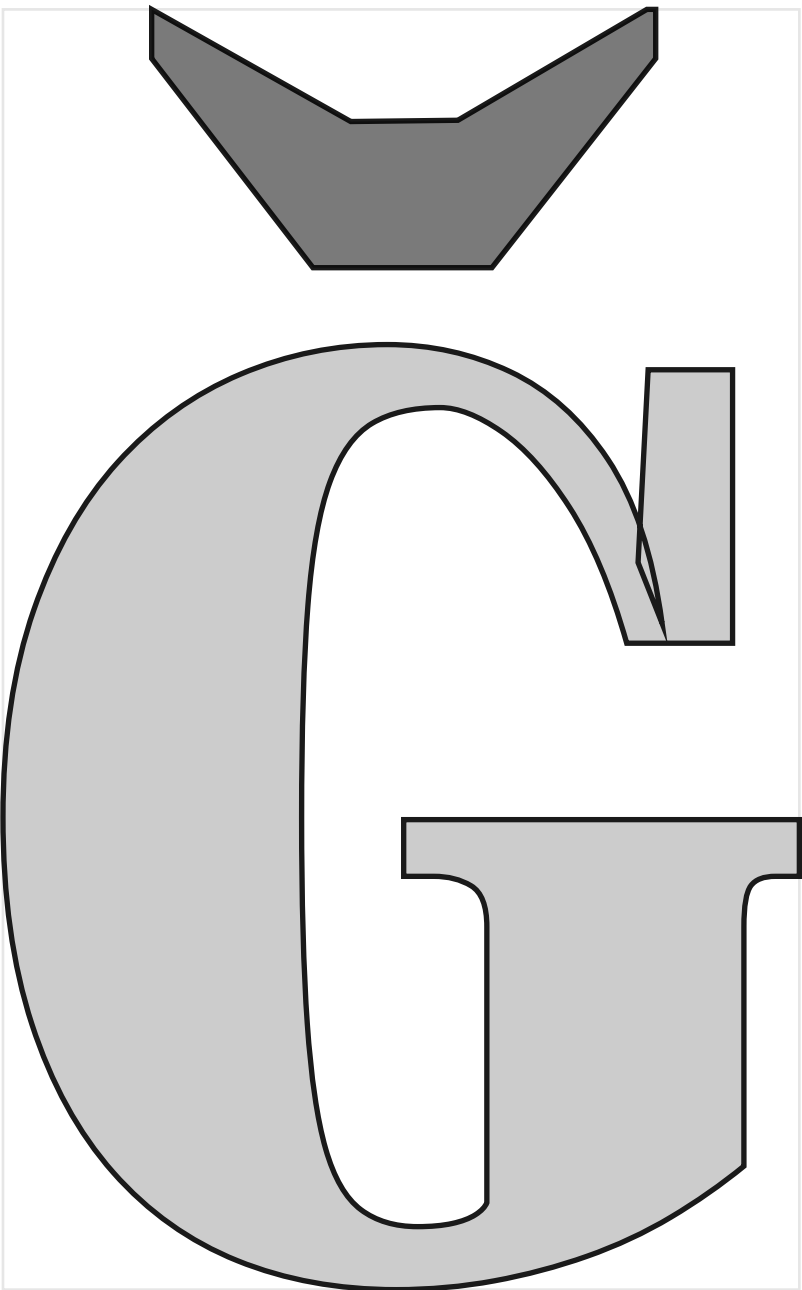
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

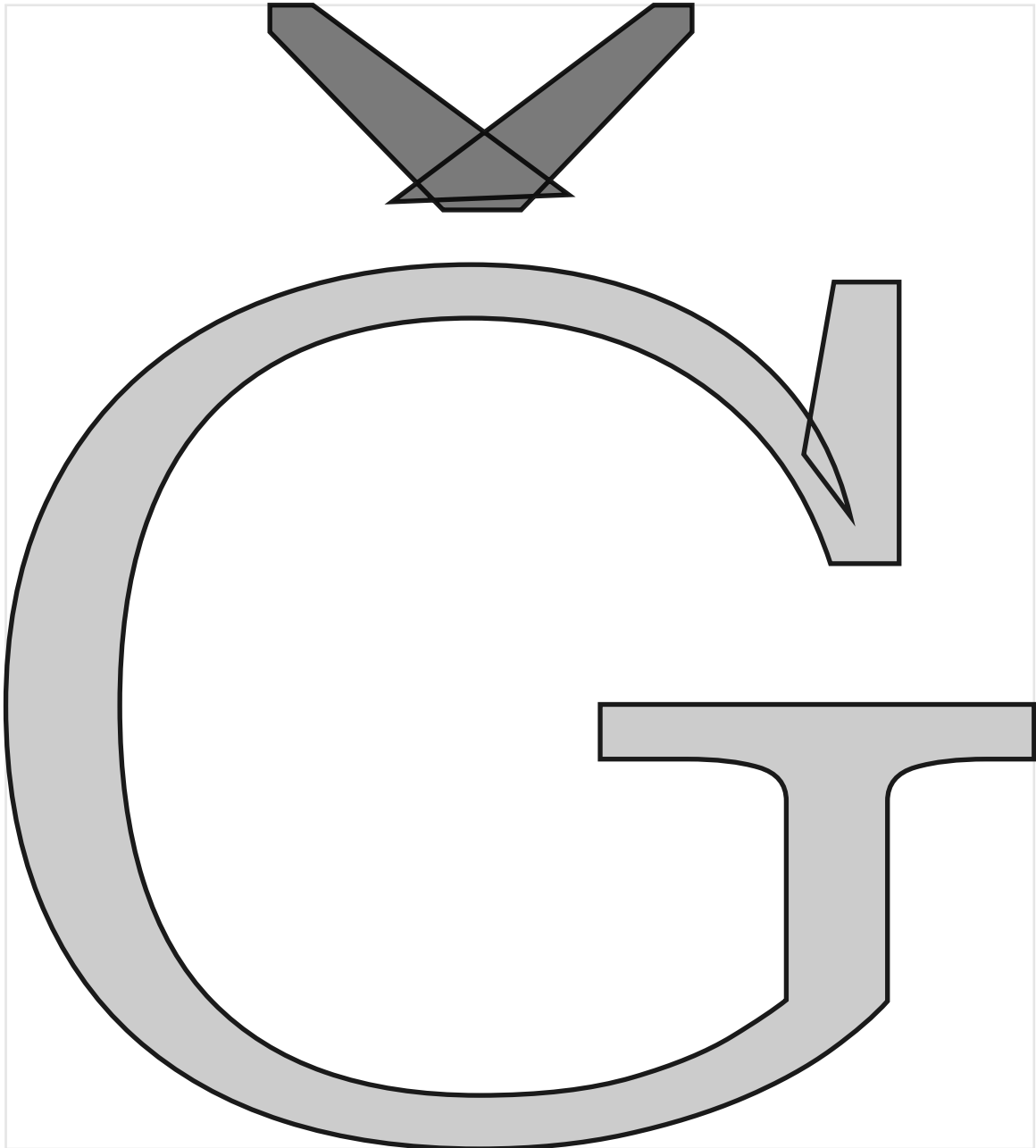


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

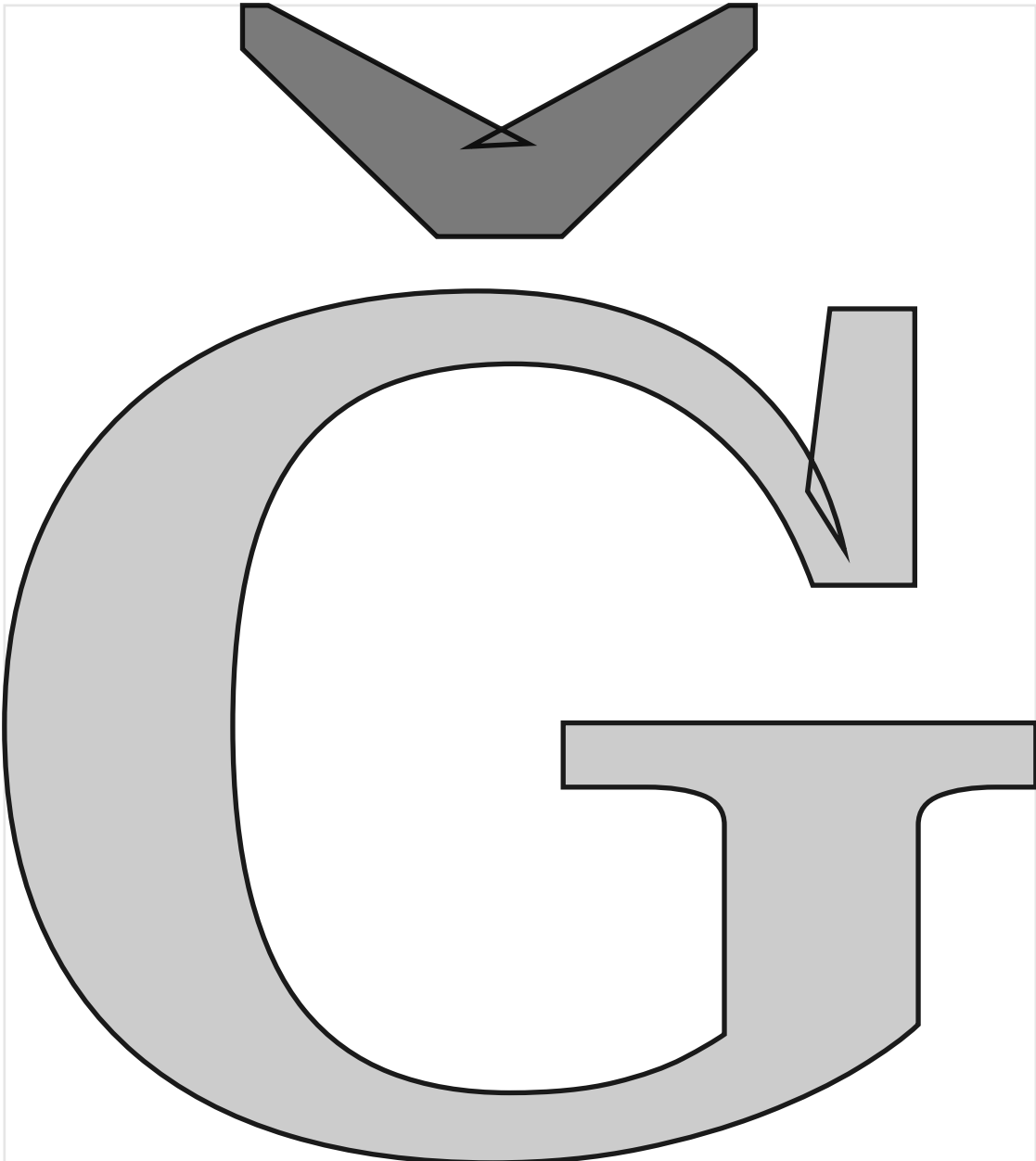


underweight

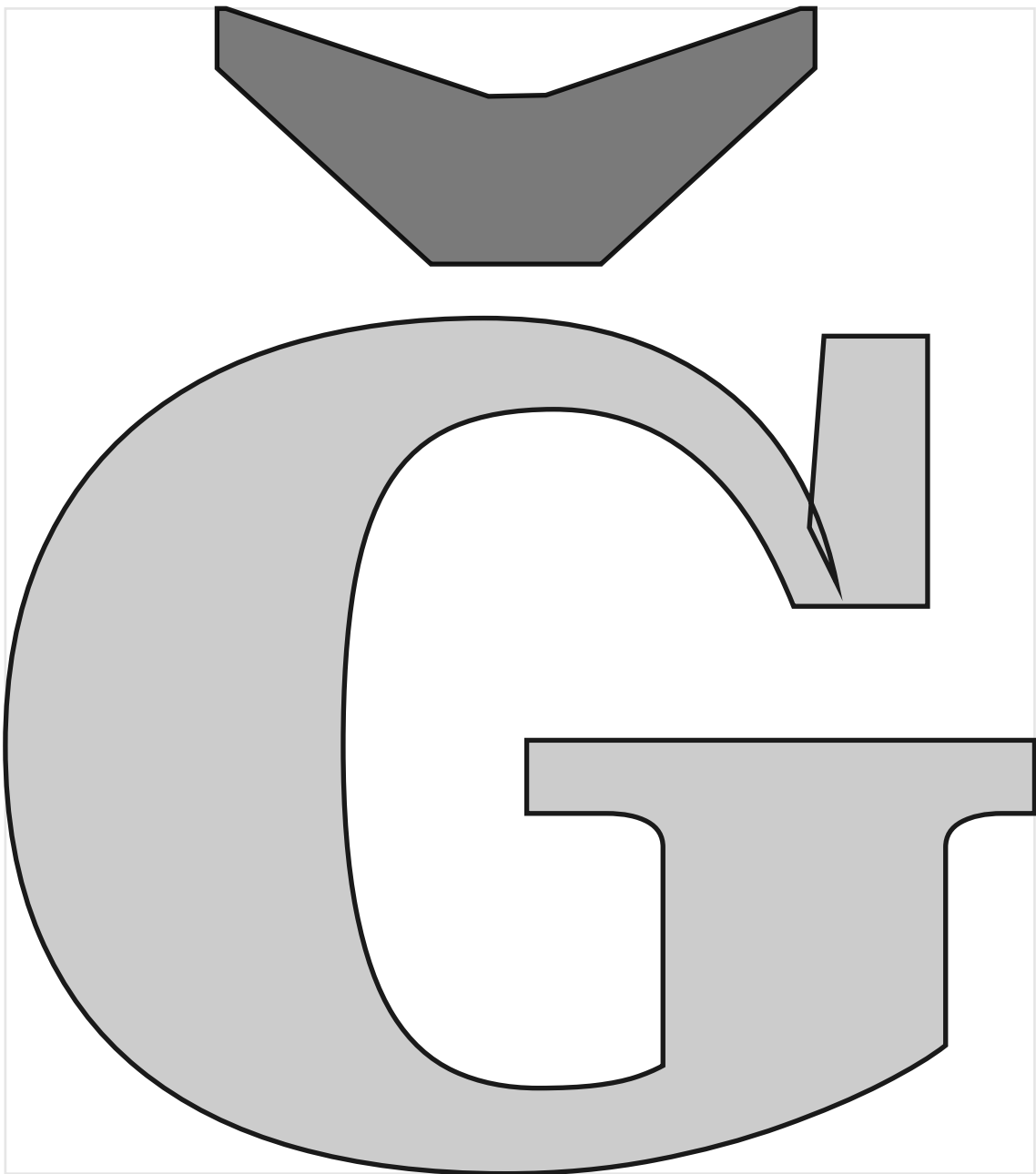
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

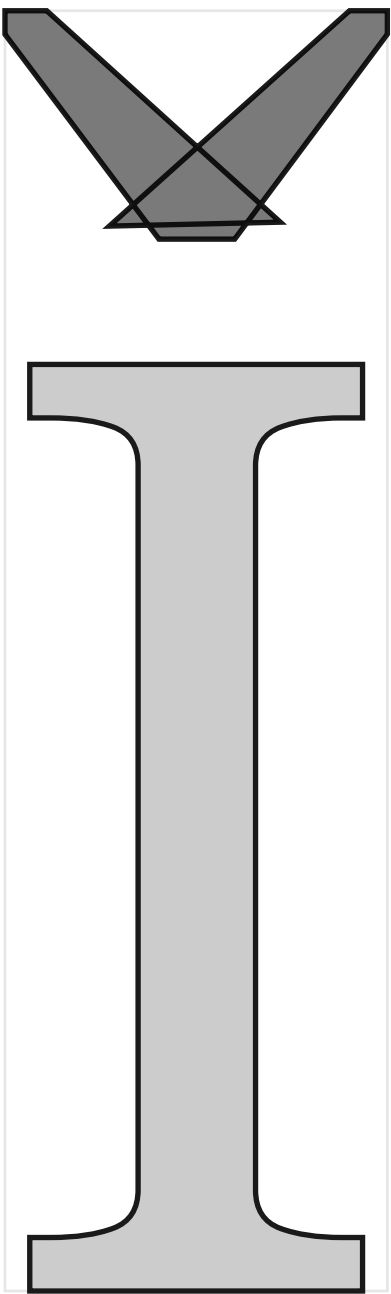


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

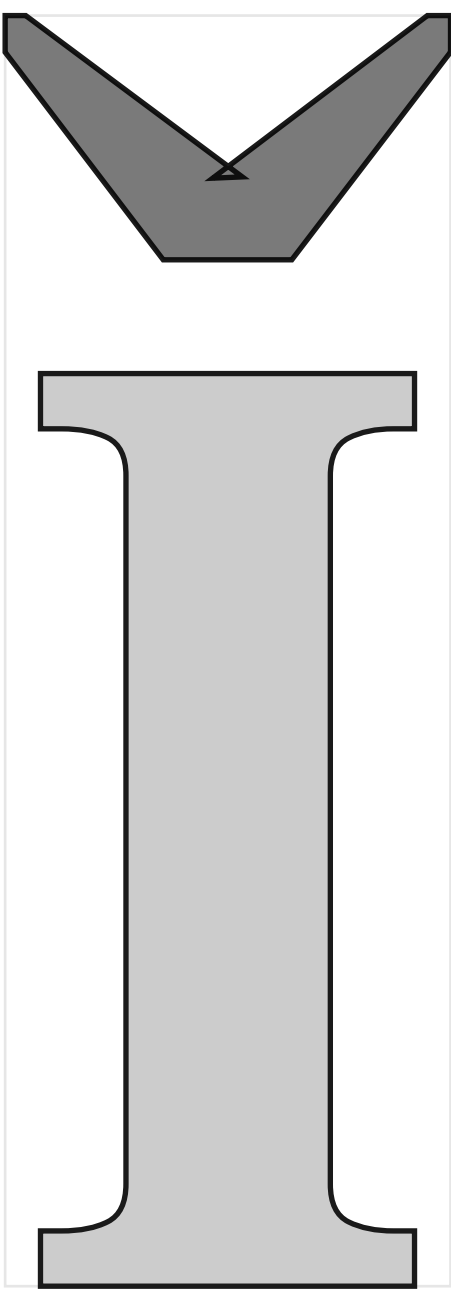


underweight

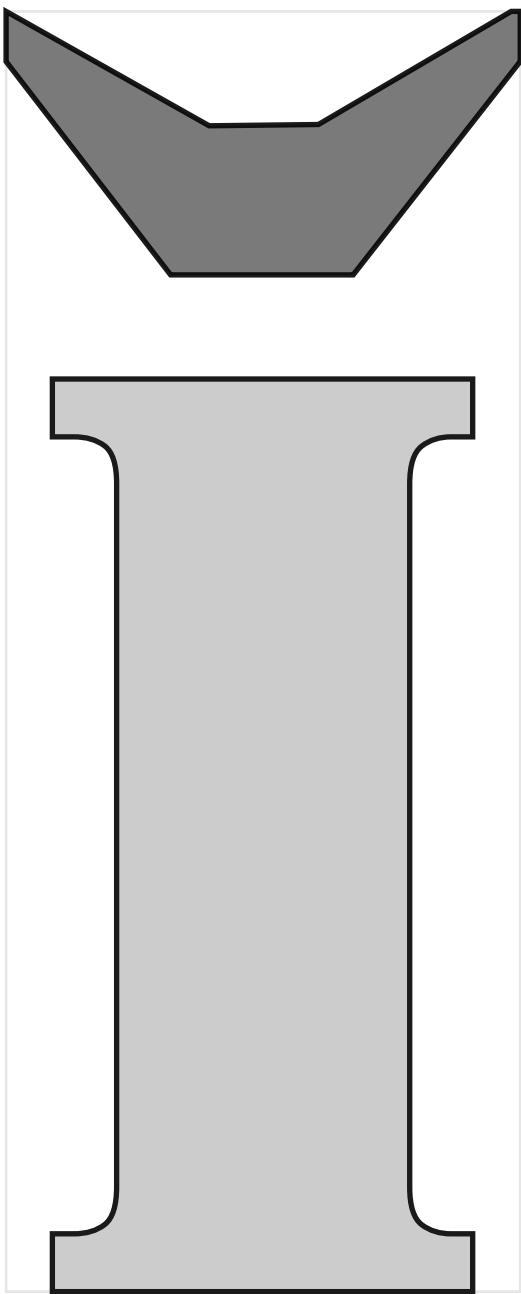
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

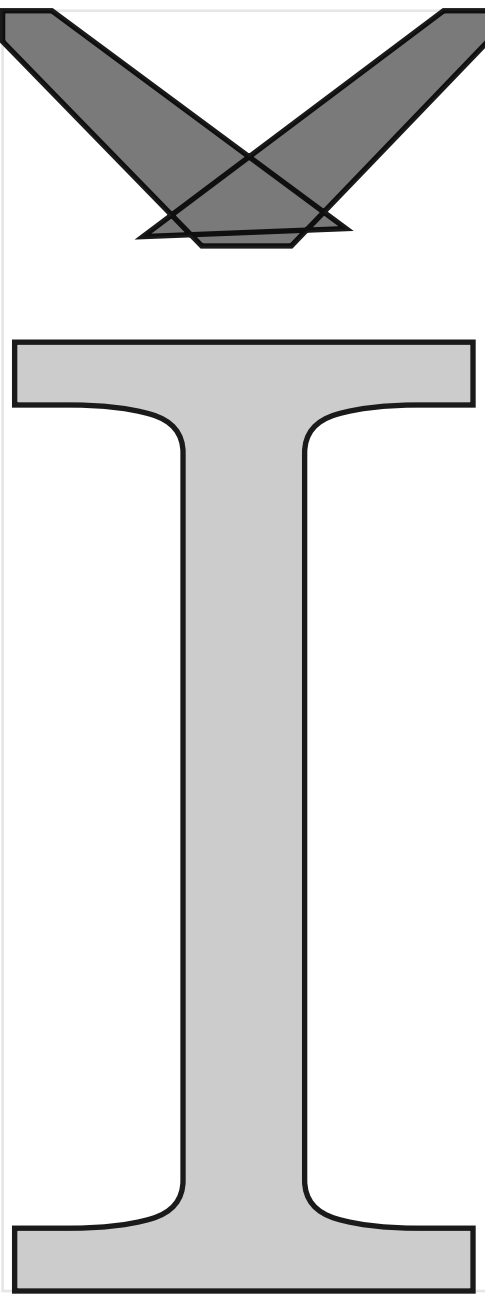


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

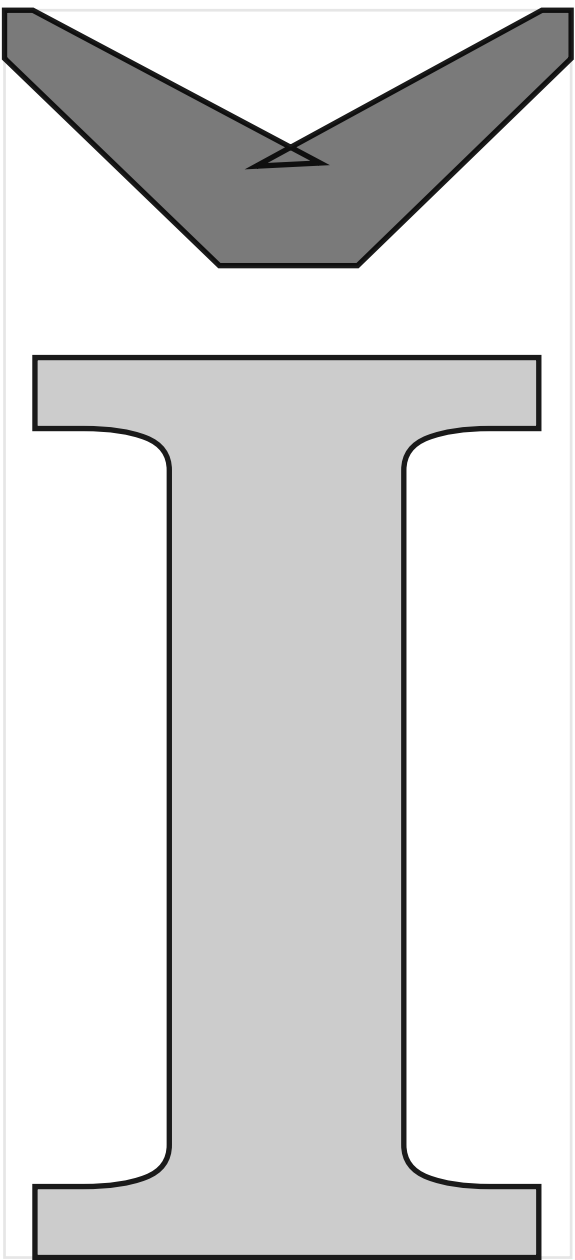


underweight

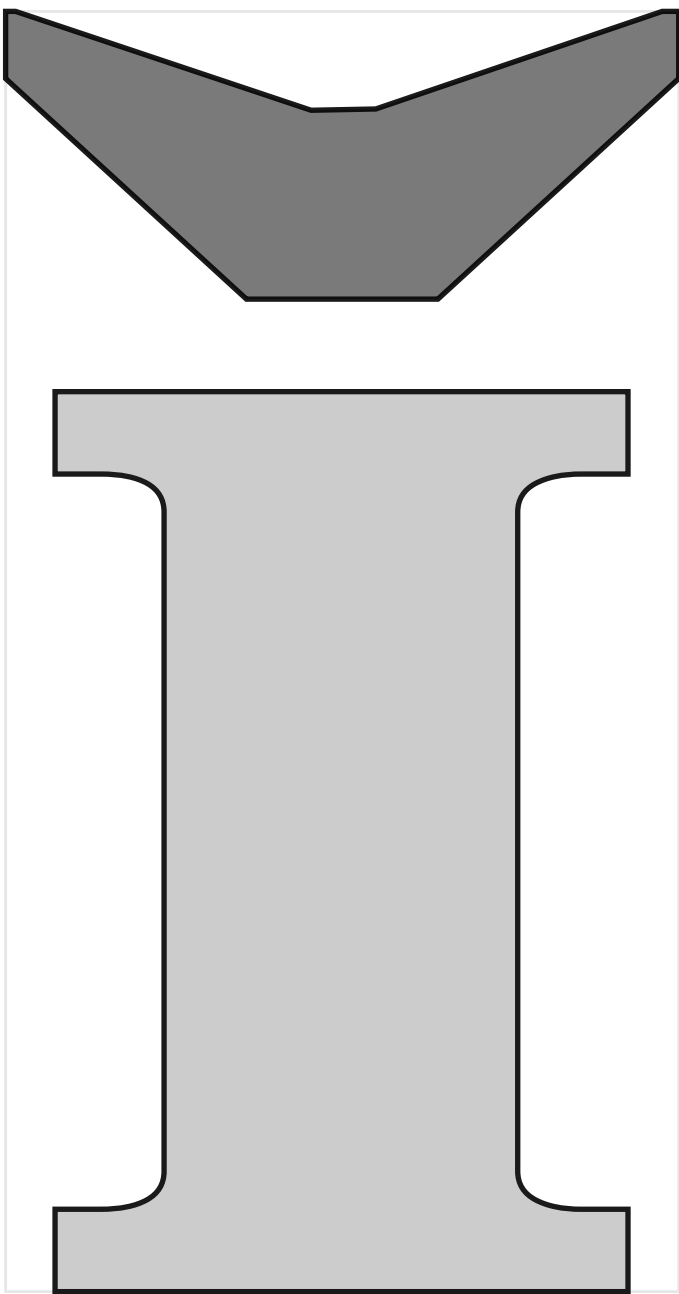
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

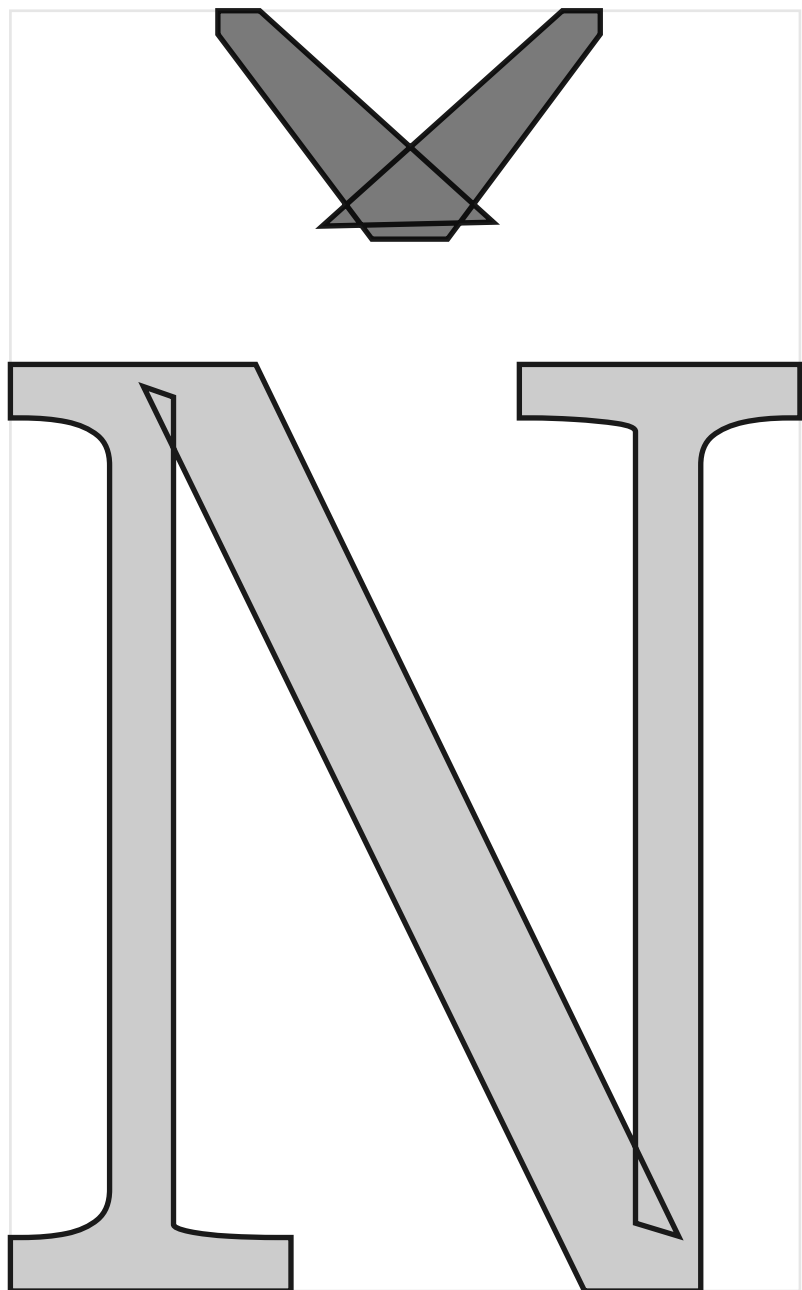


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

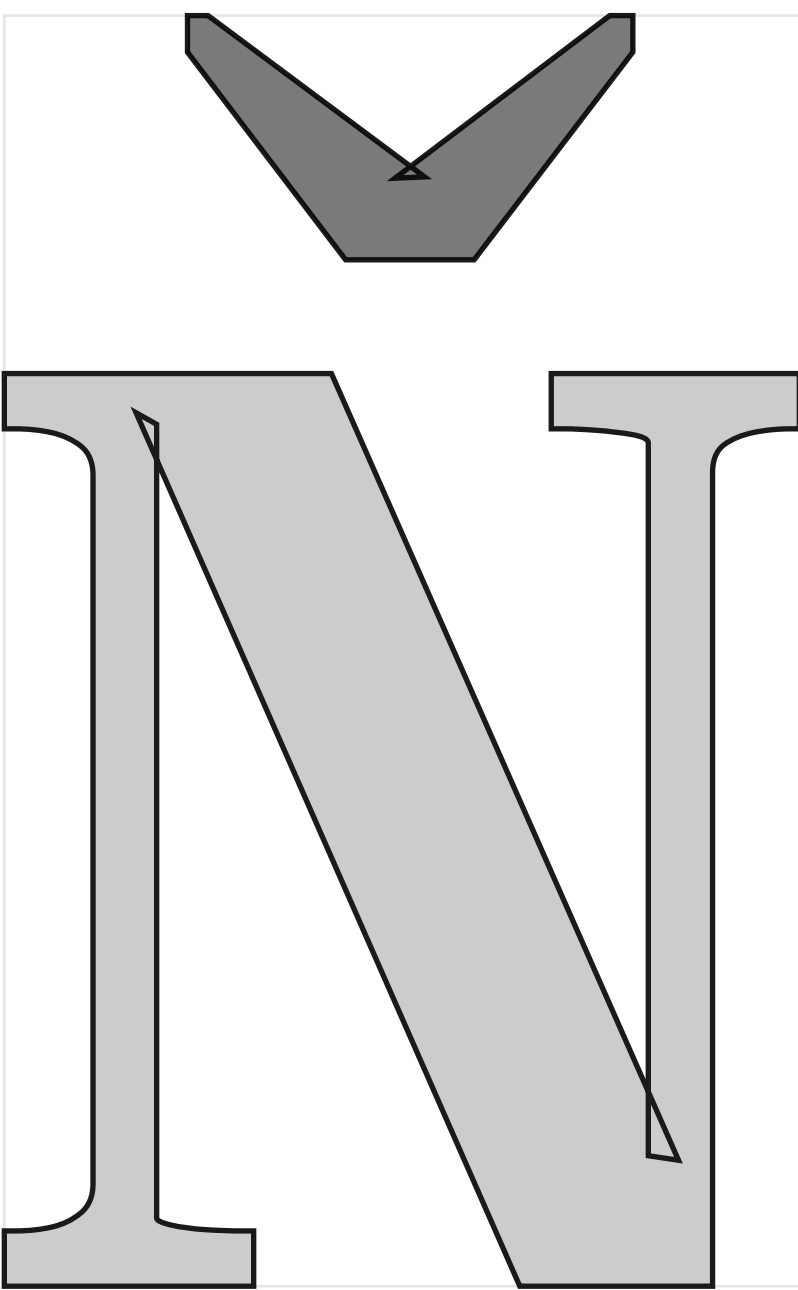


underweight

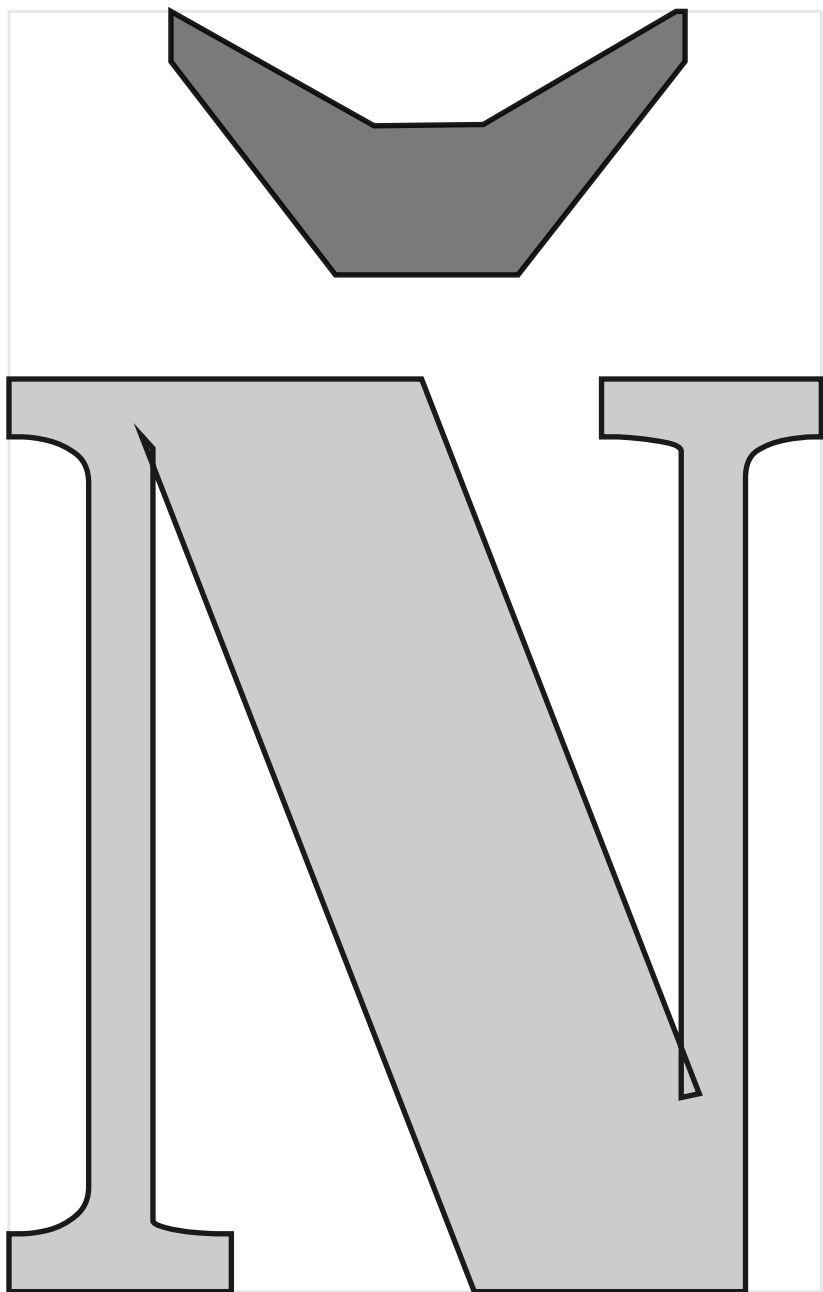
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation



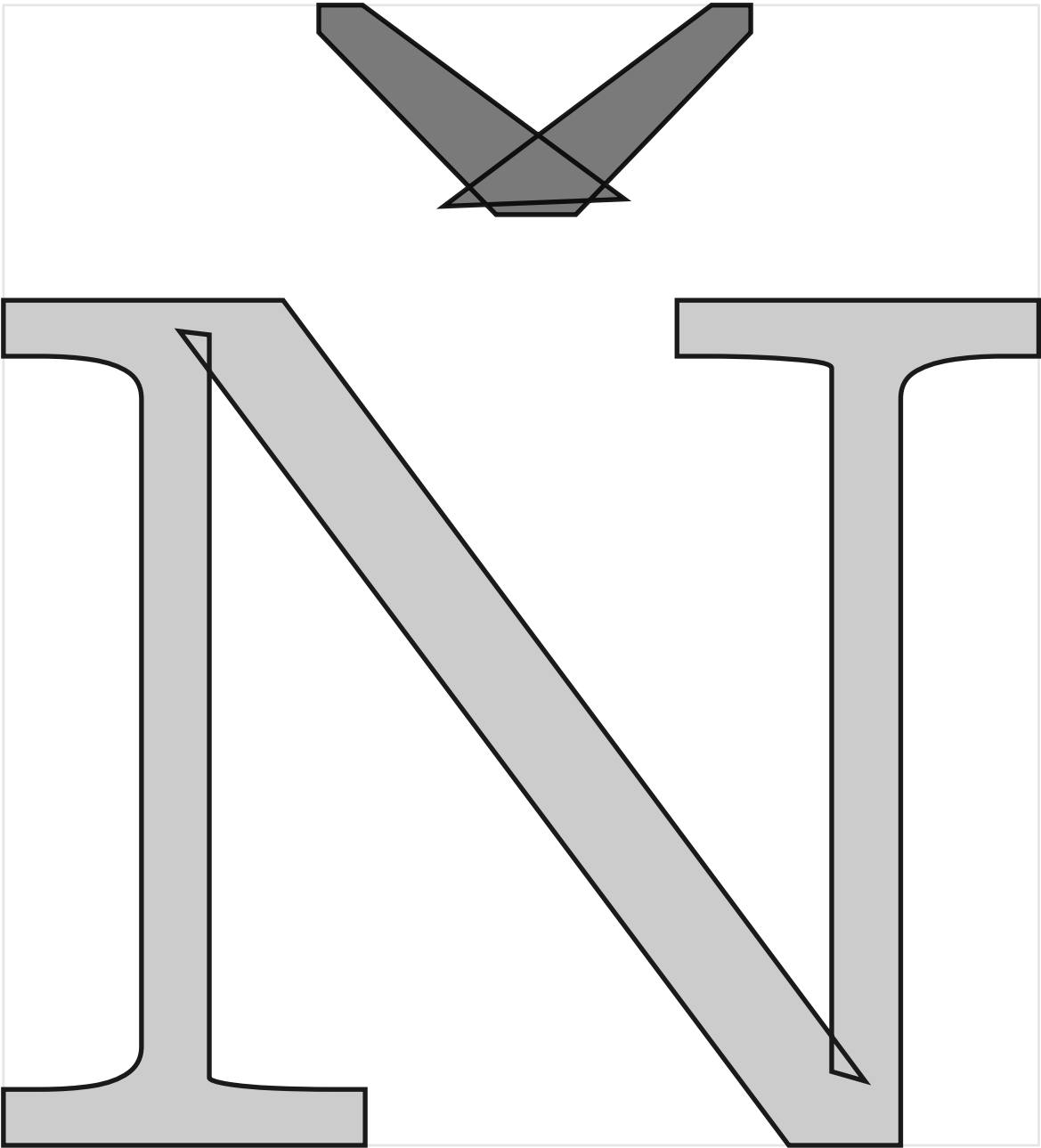
'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'



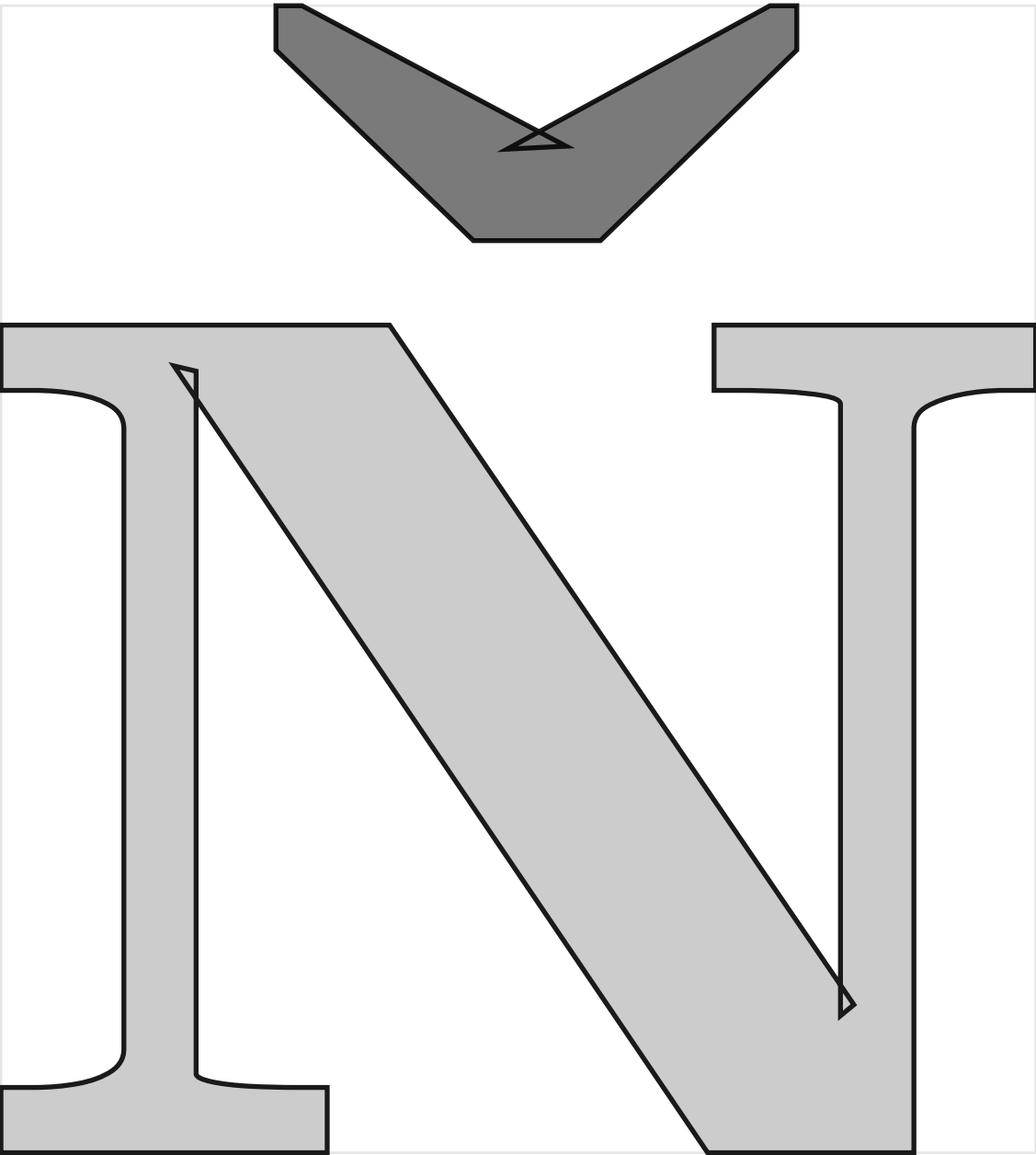


underweight

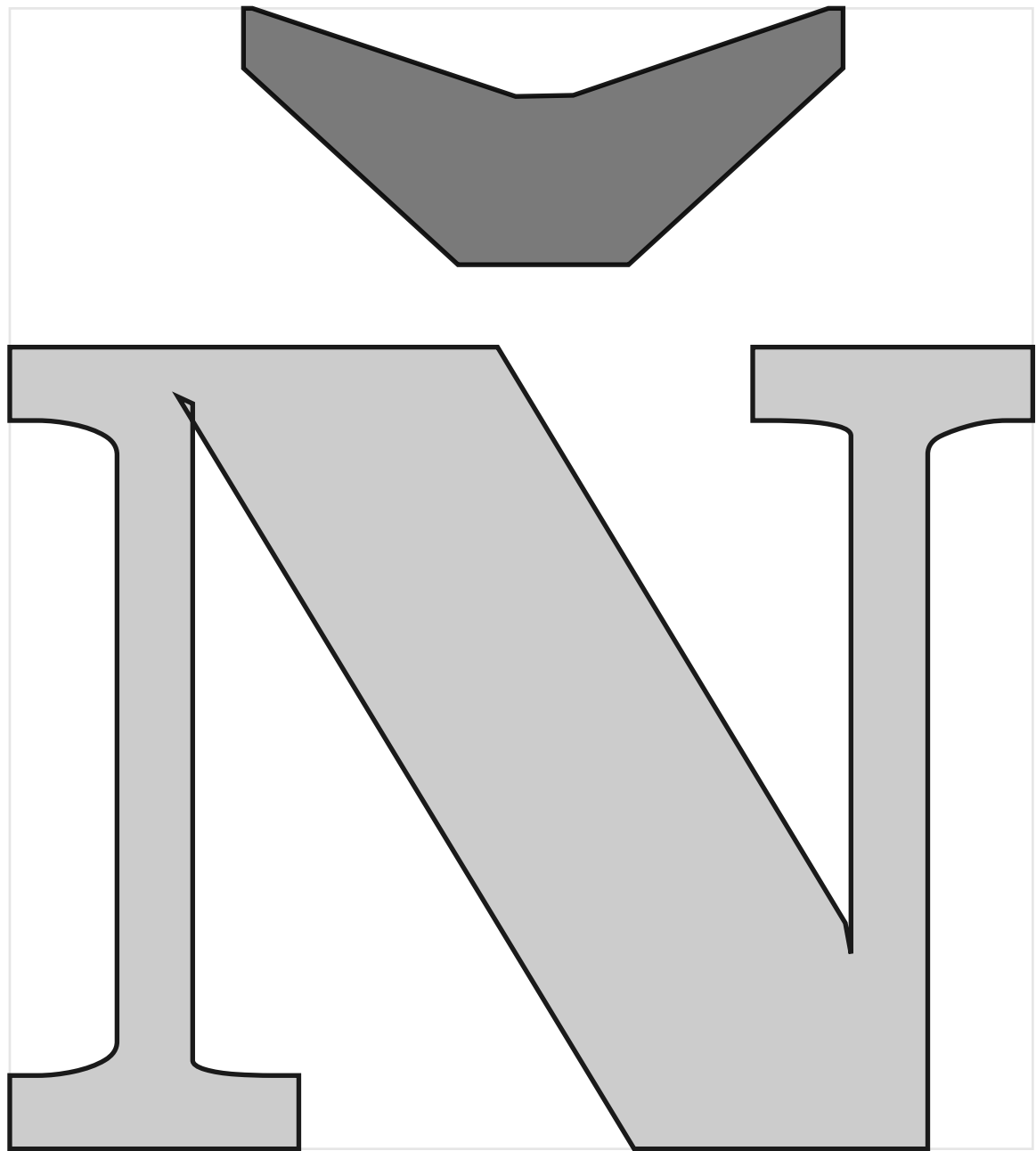
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

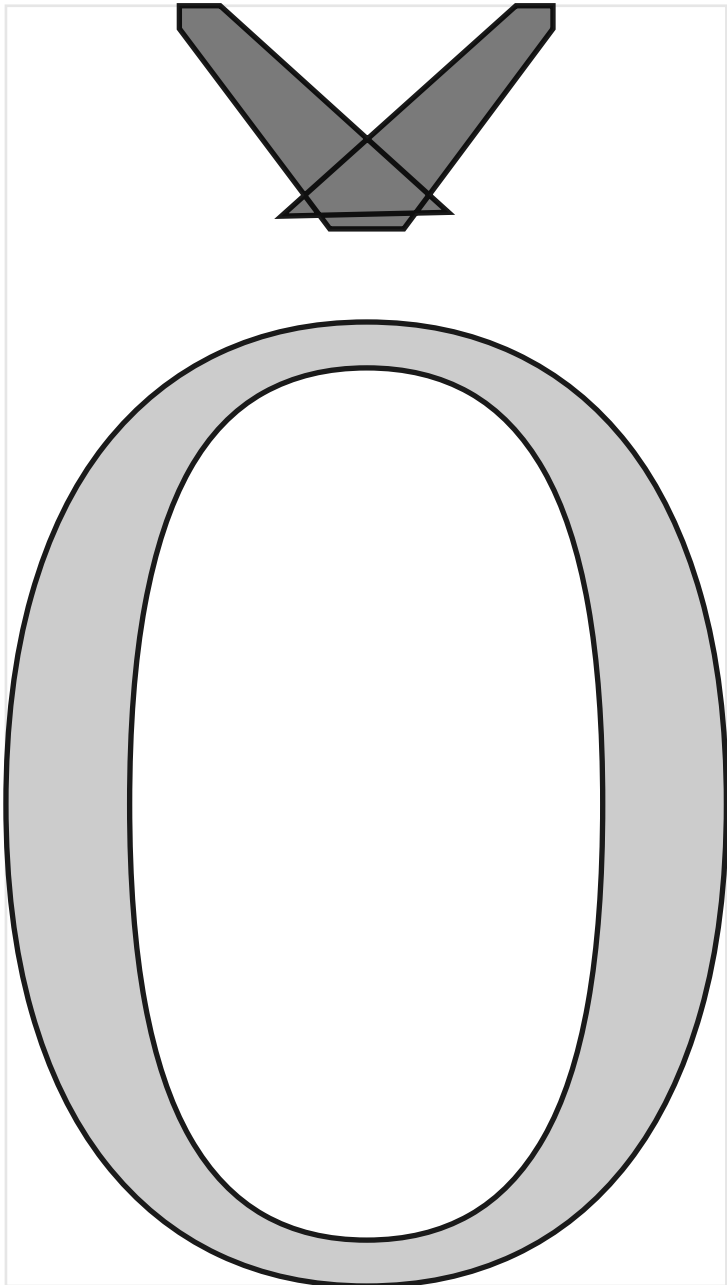


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

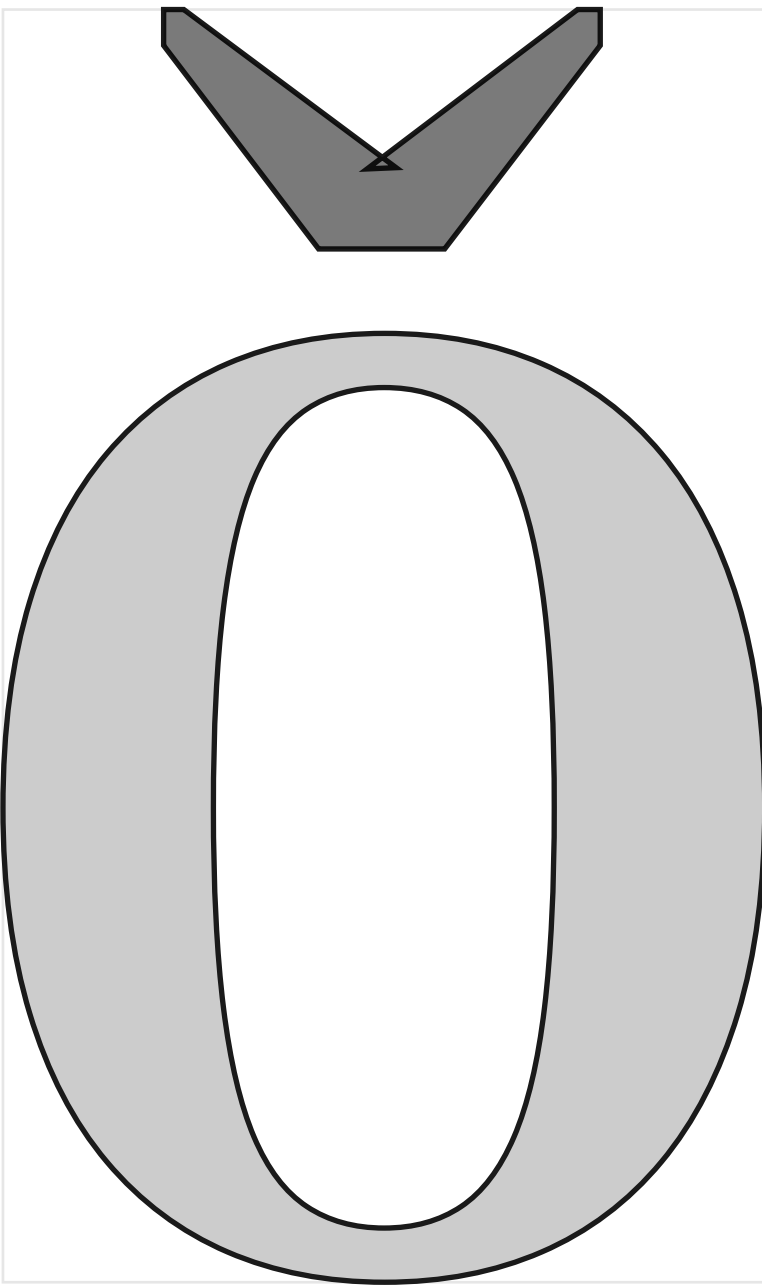


underweight

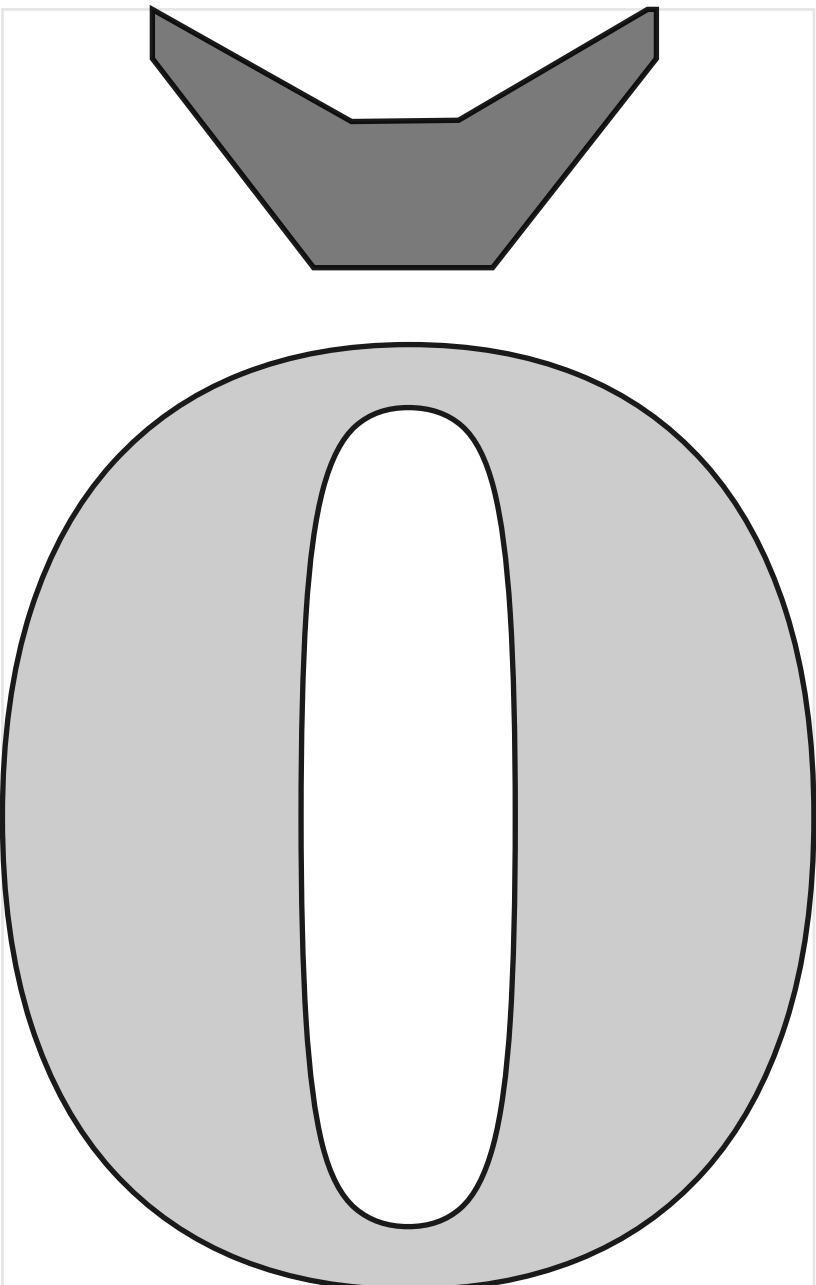
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

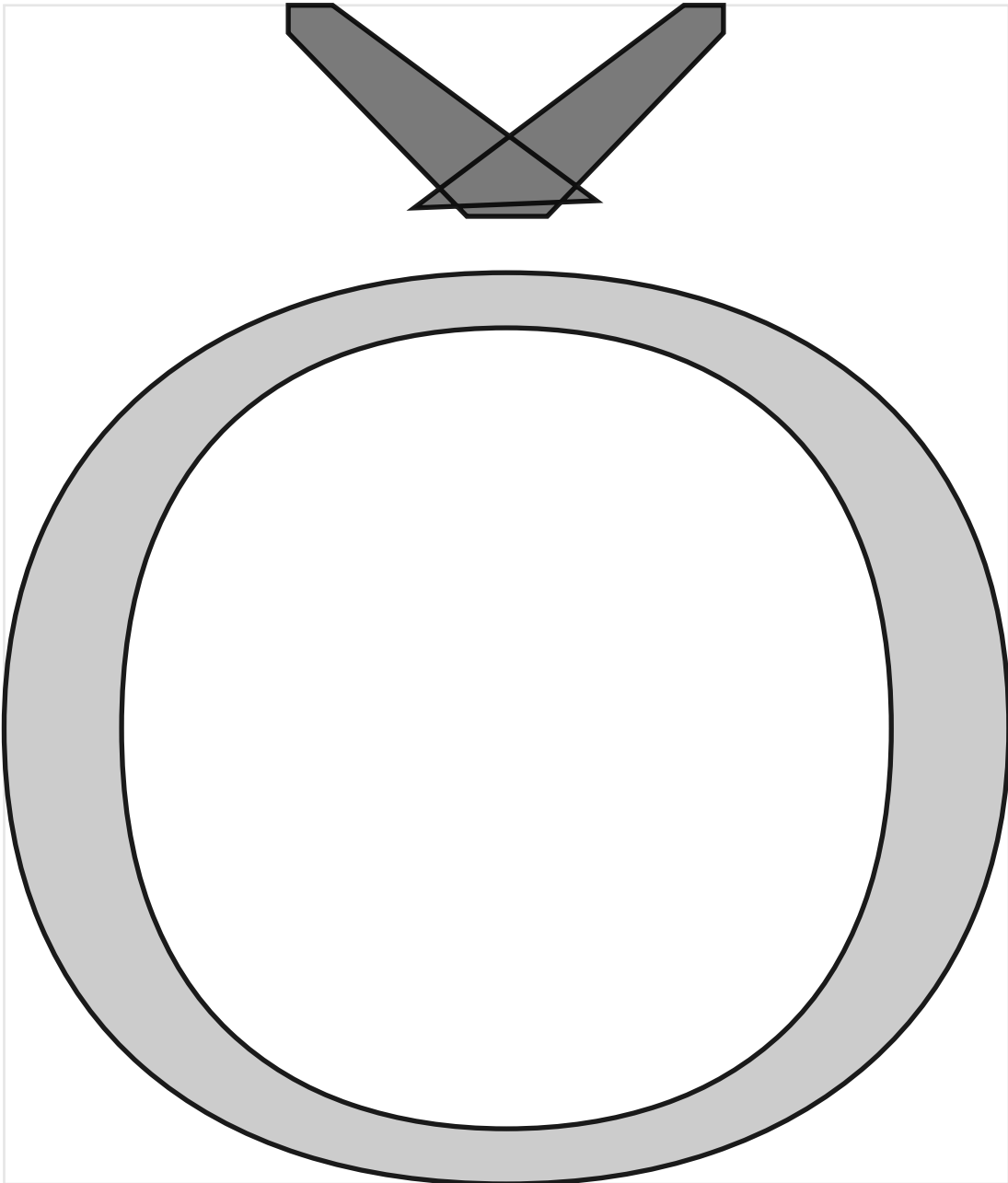


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

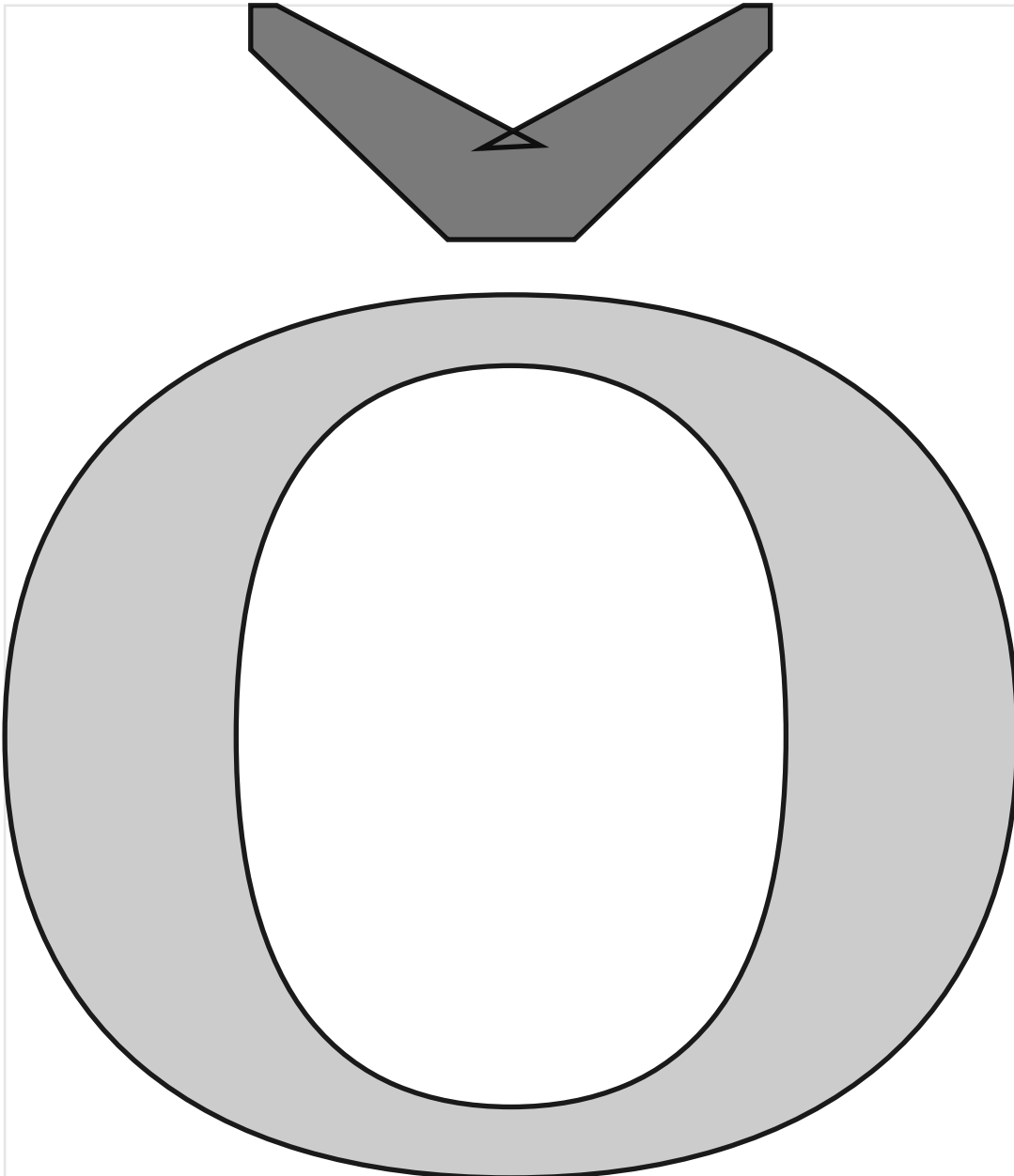


underweight

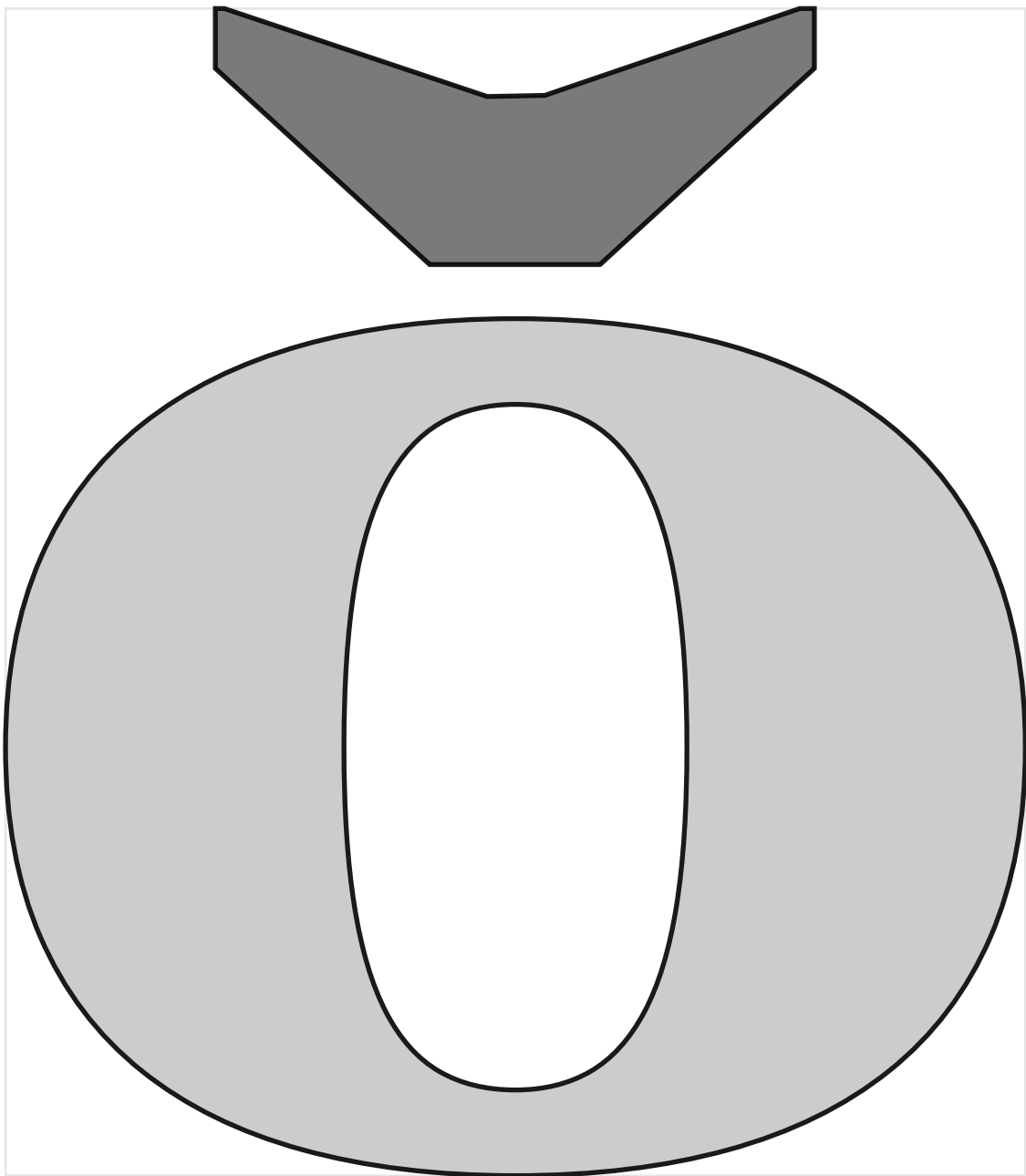
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

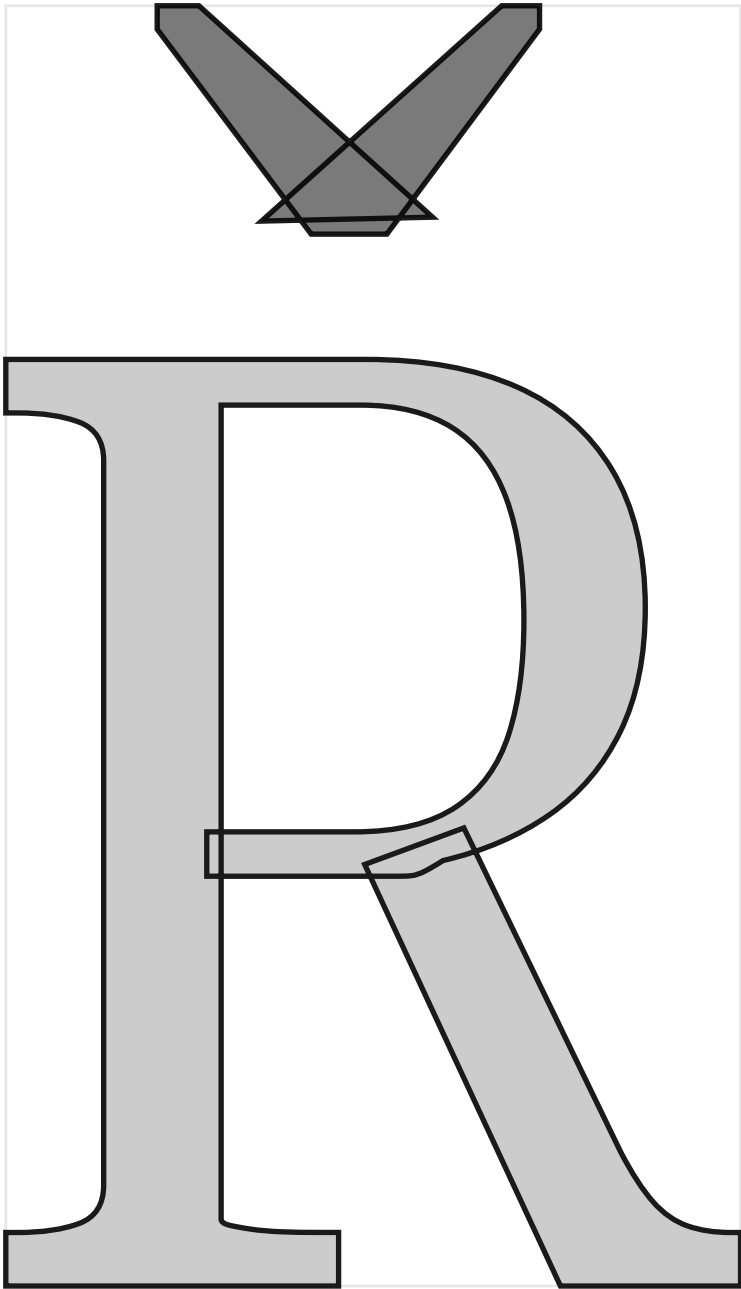


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

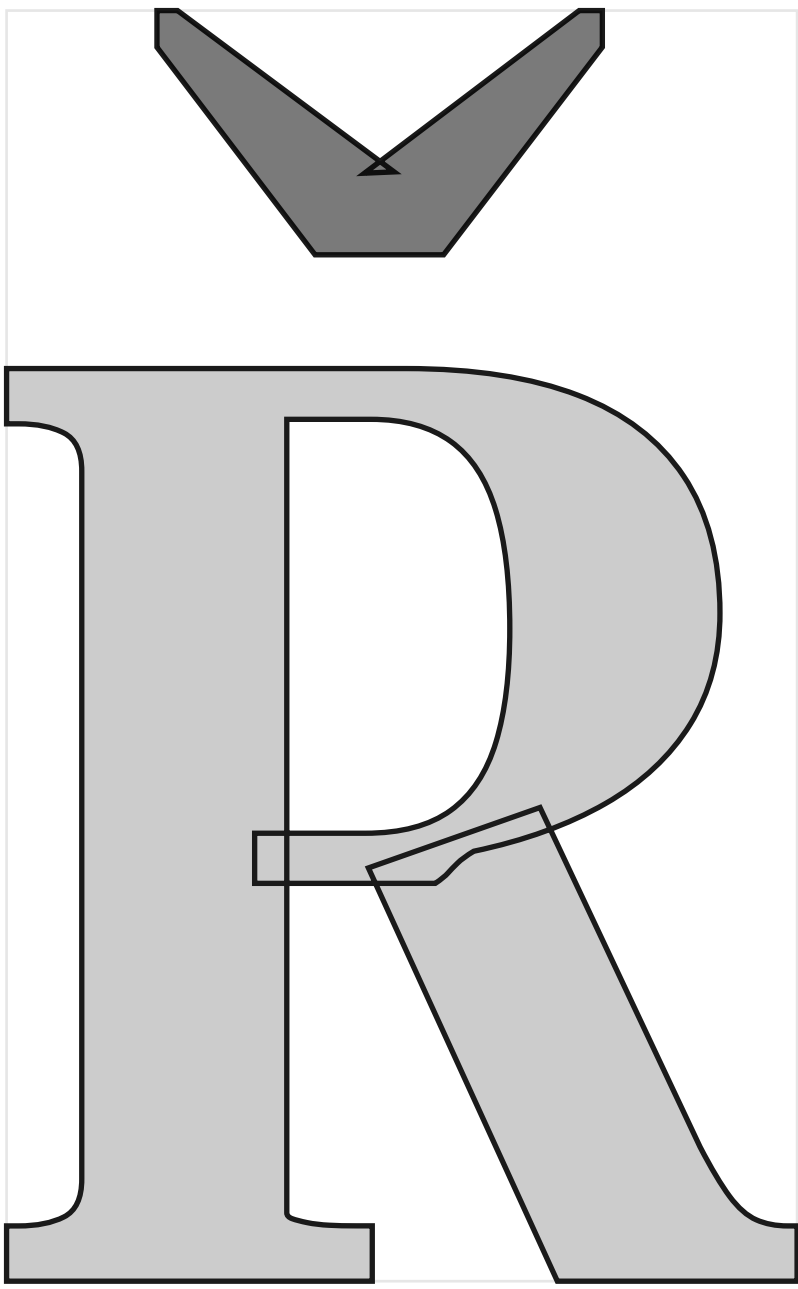


underweight

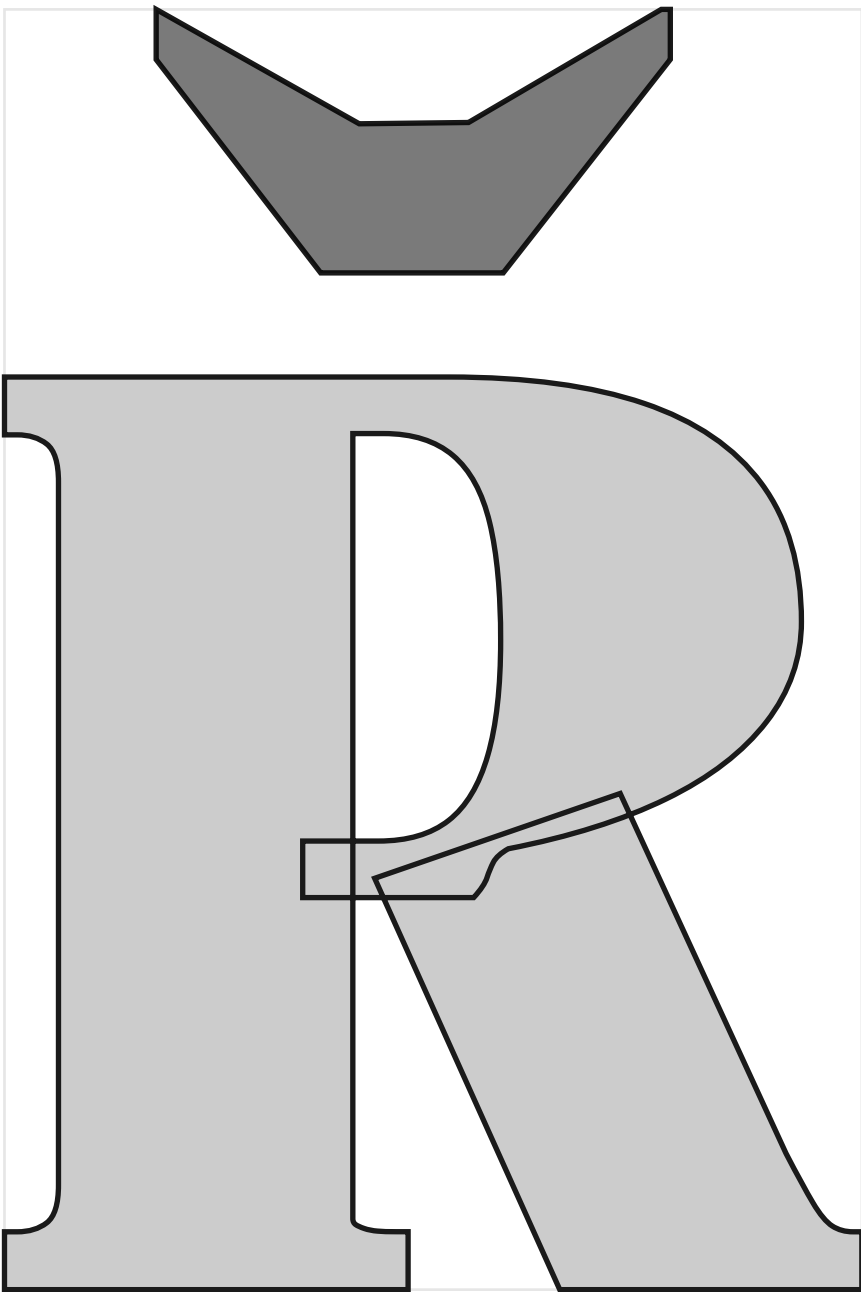
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

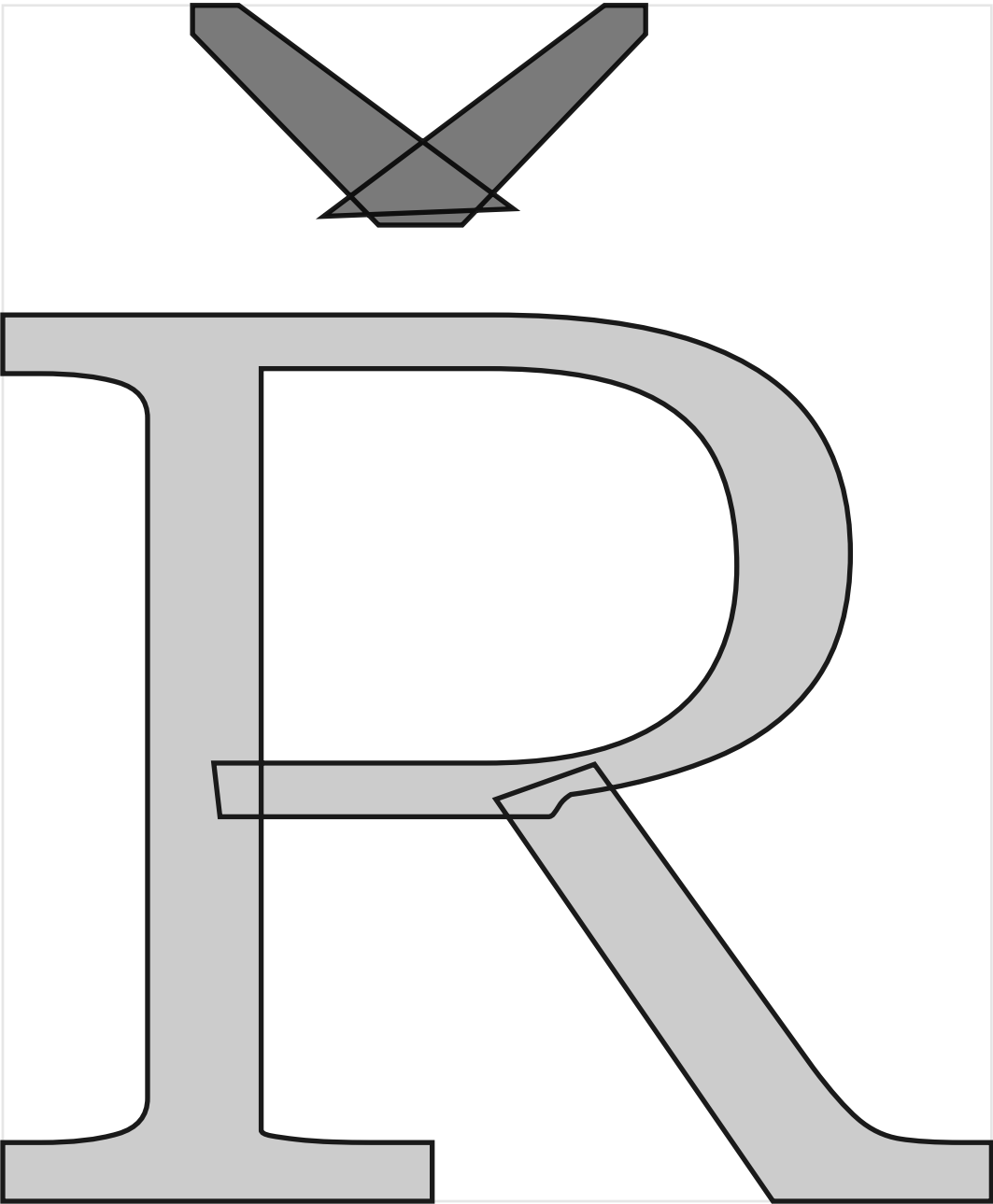


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

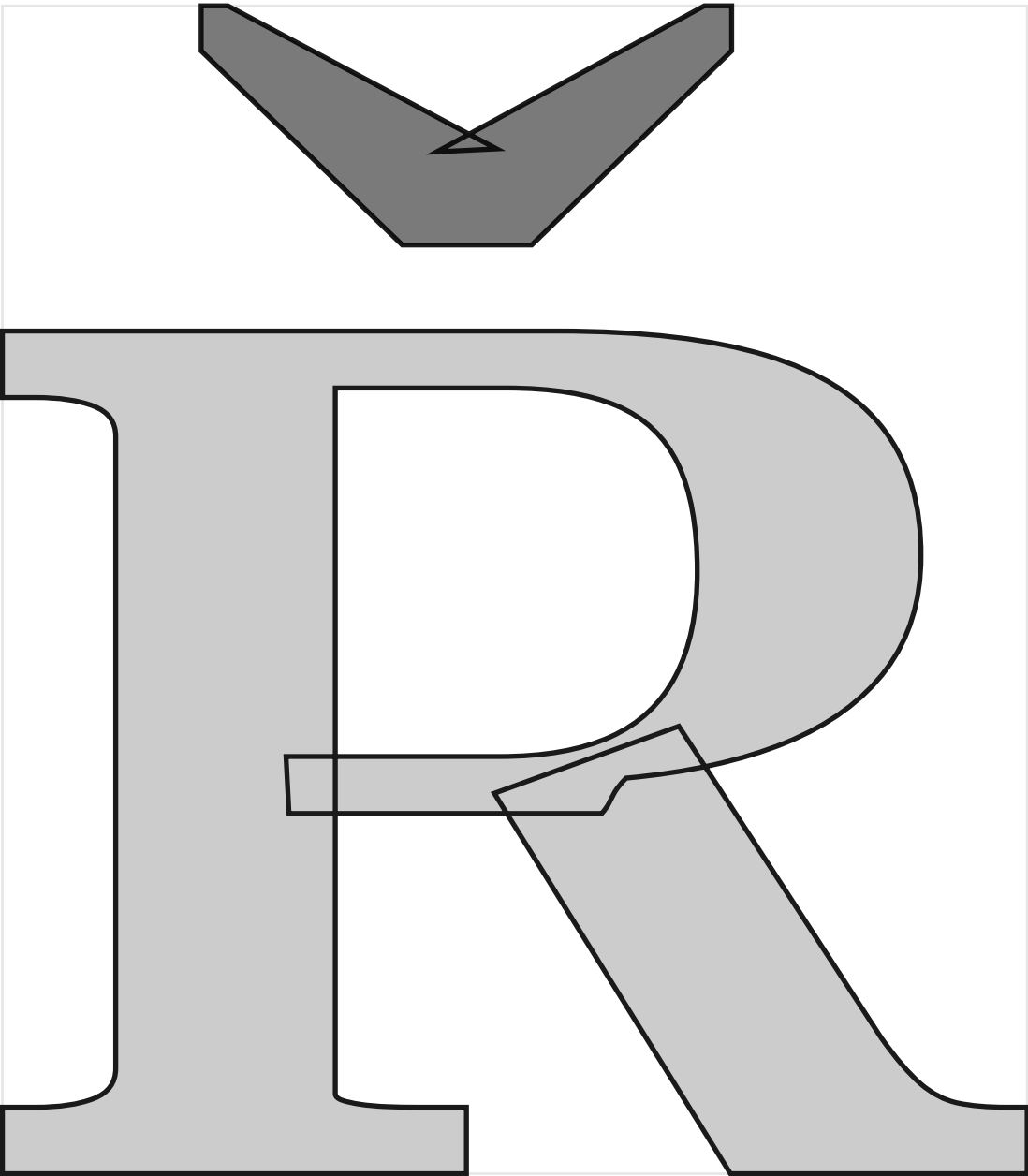


underweight

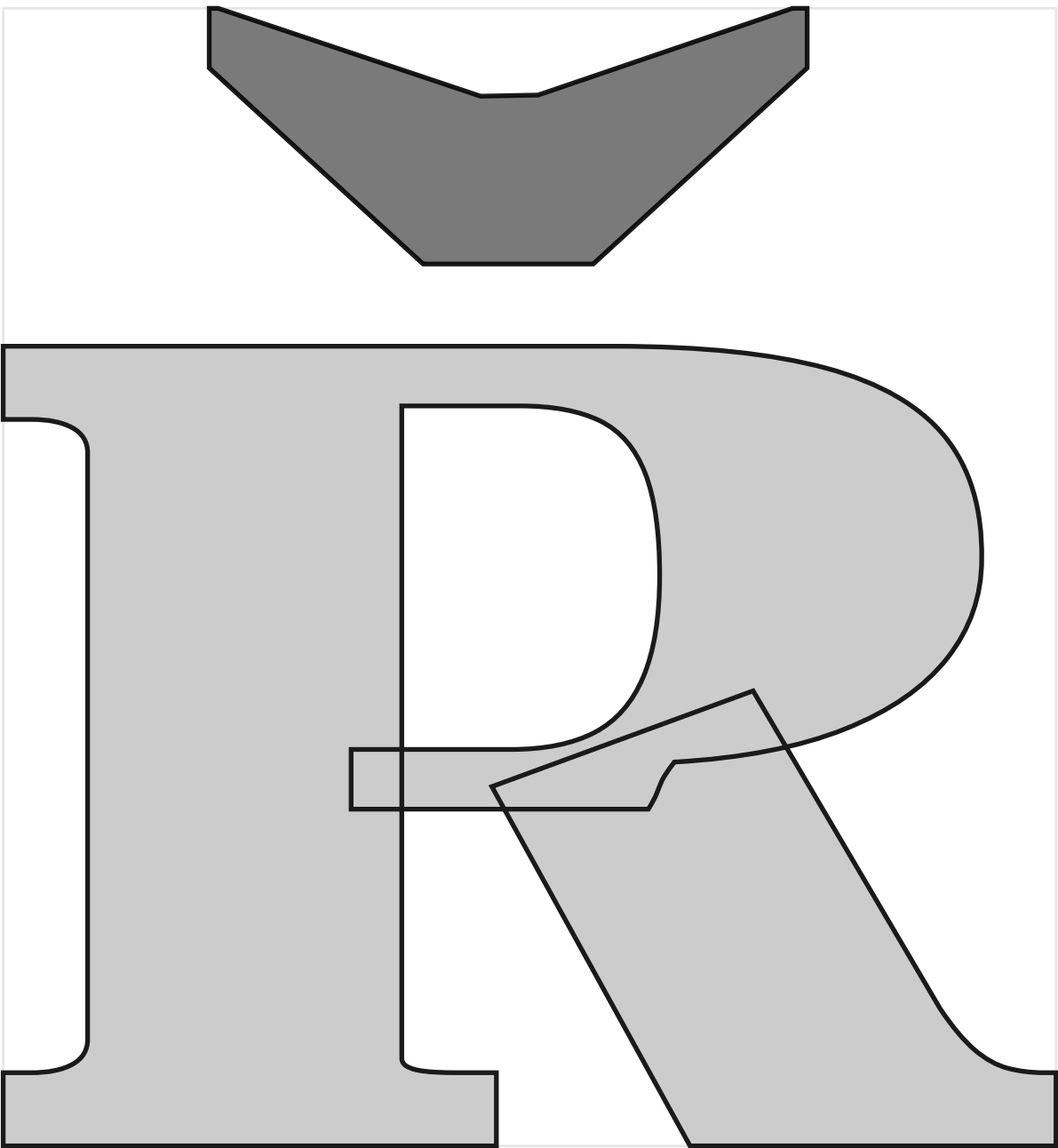
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

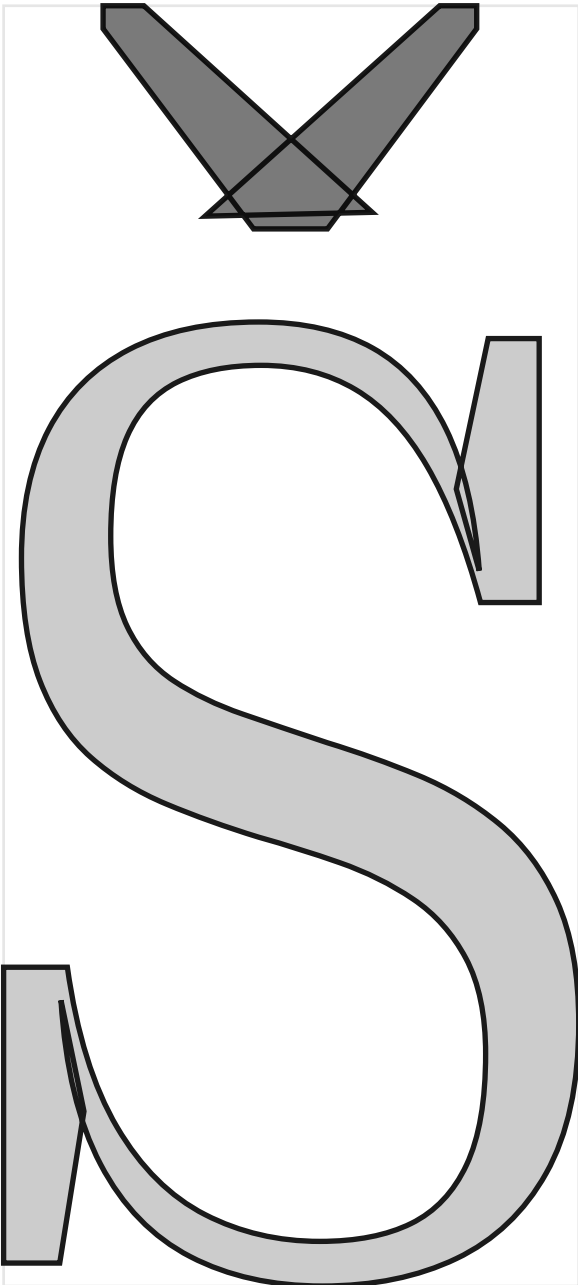


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

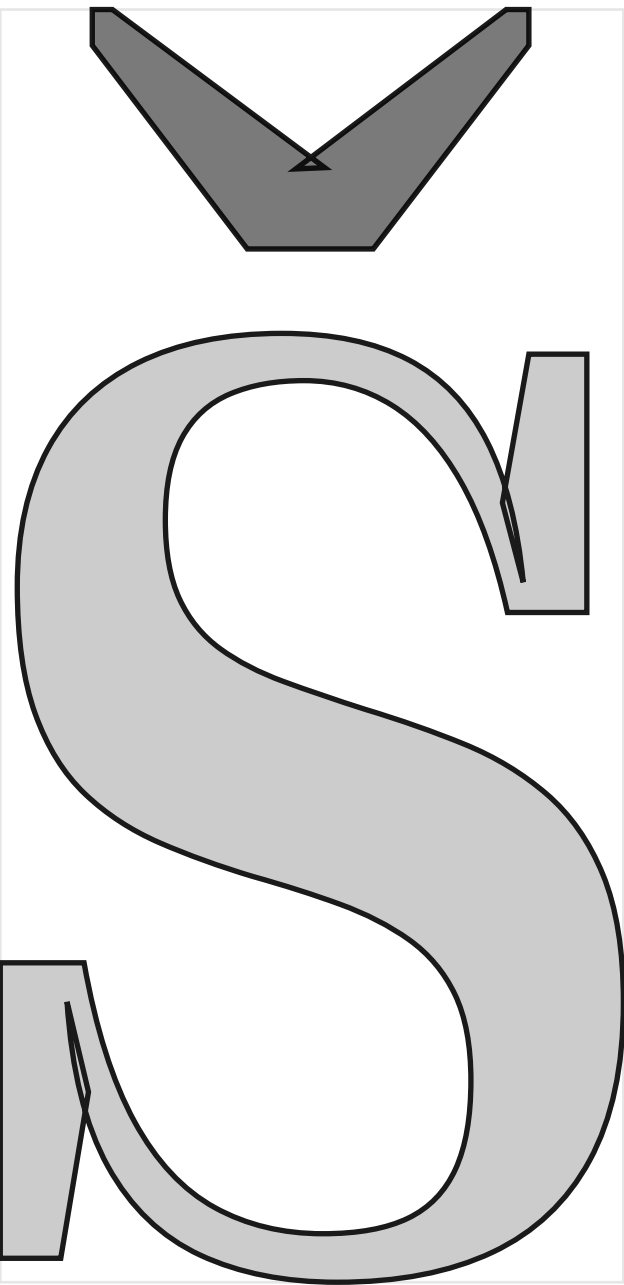


underweight

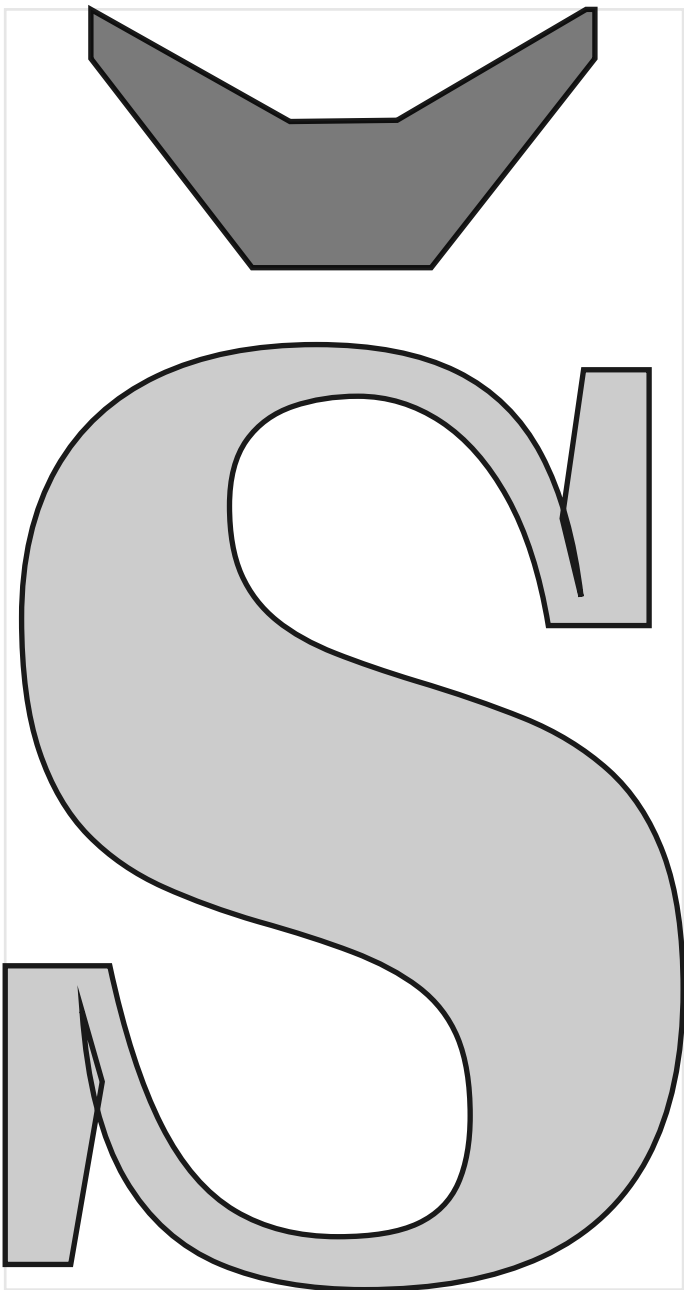
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

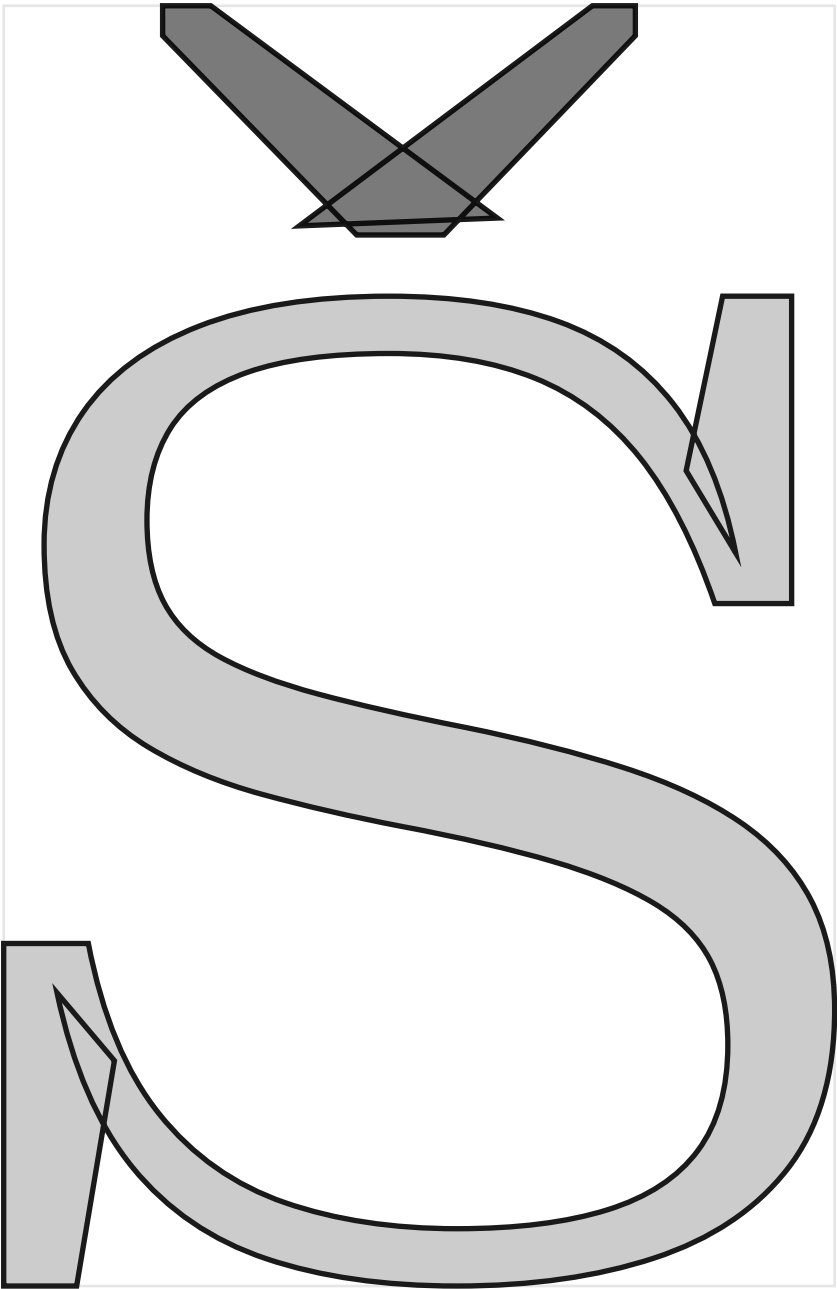


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

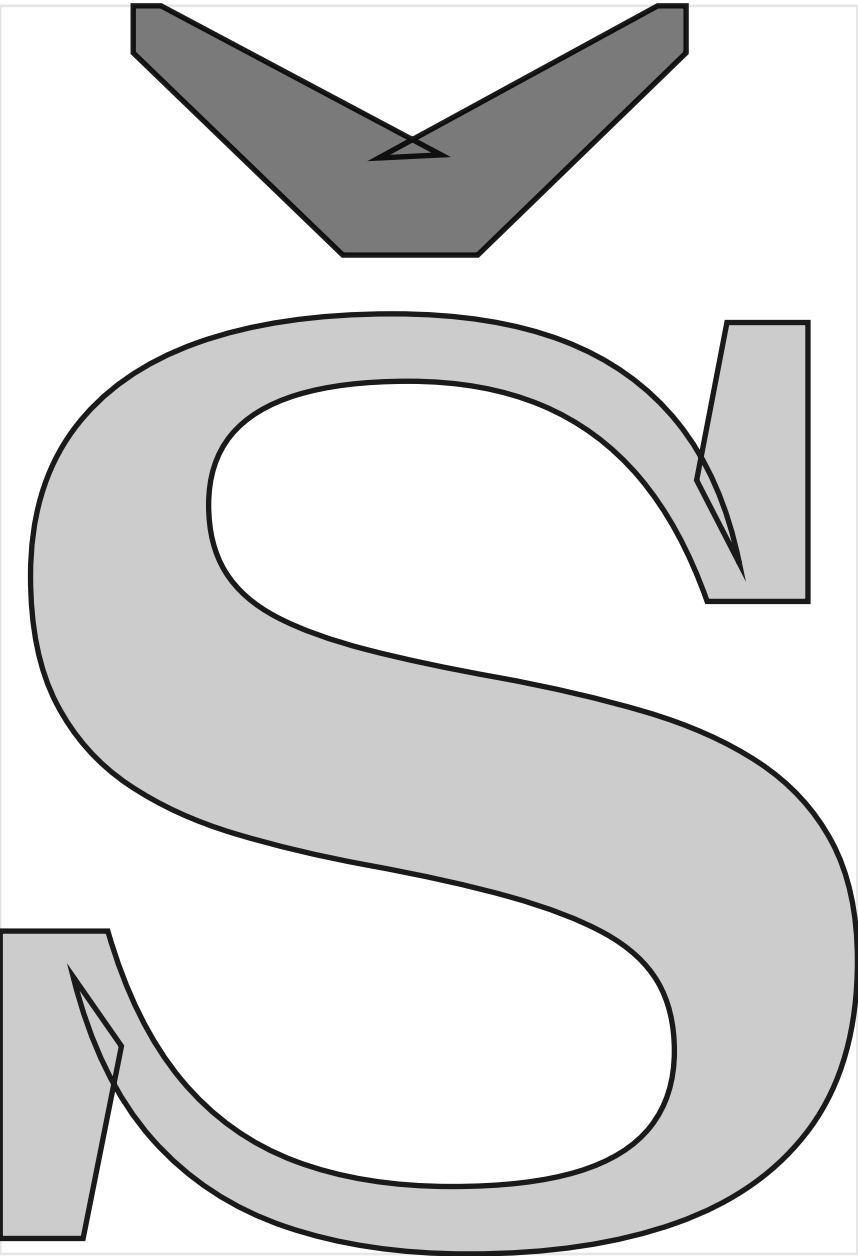


underweight

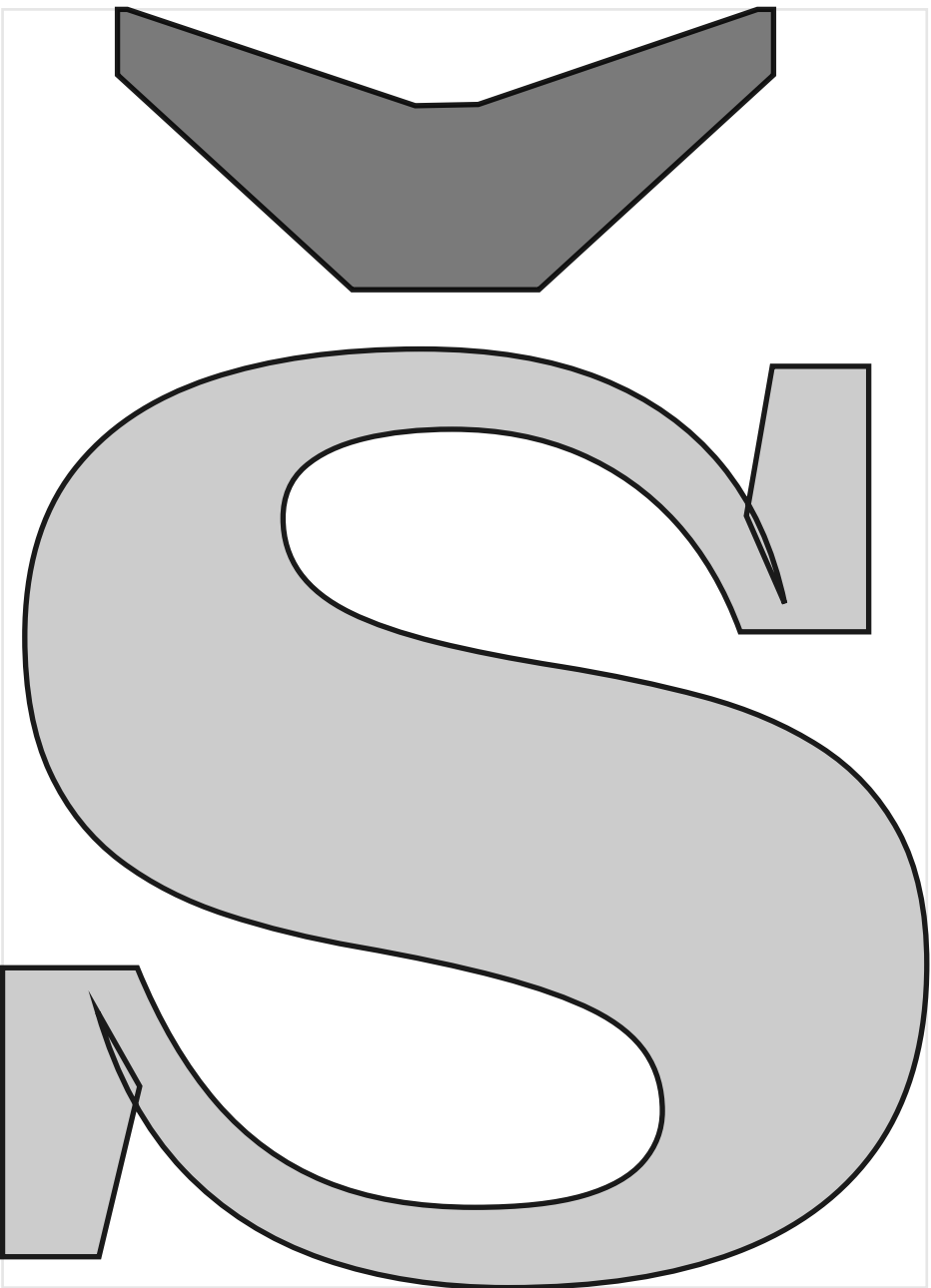
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

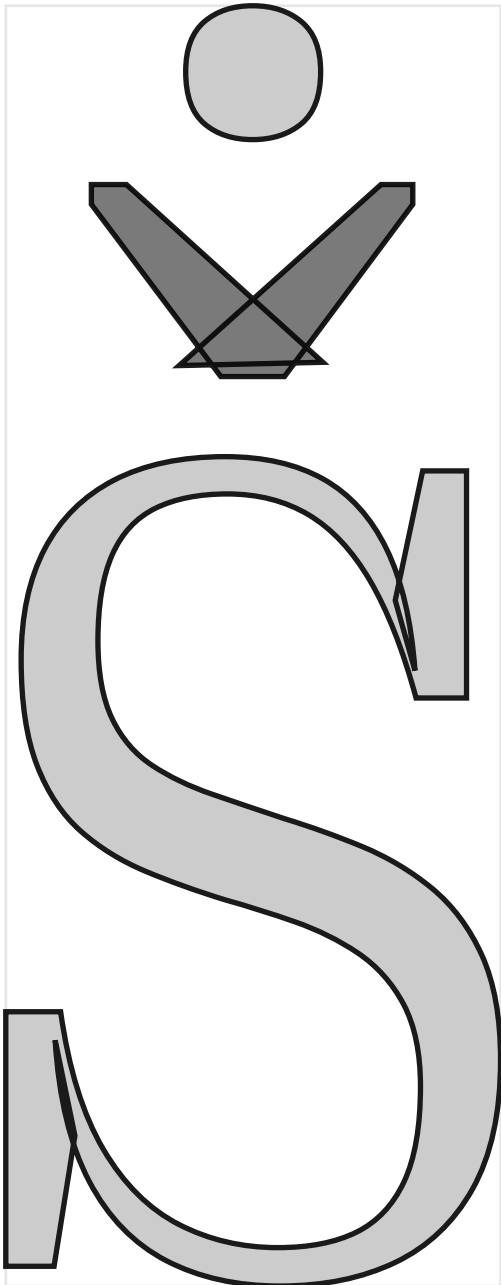


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

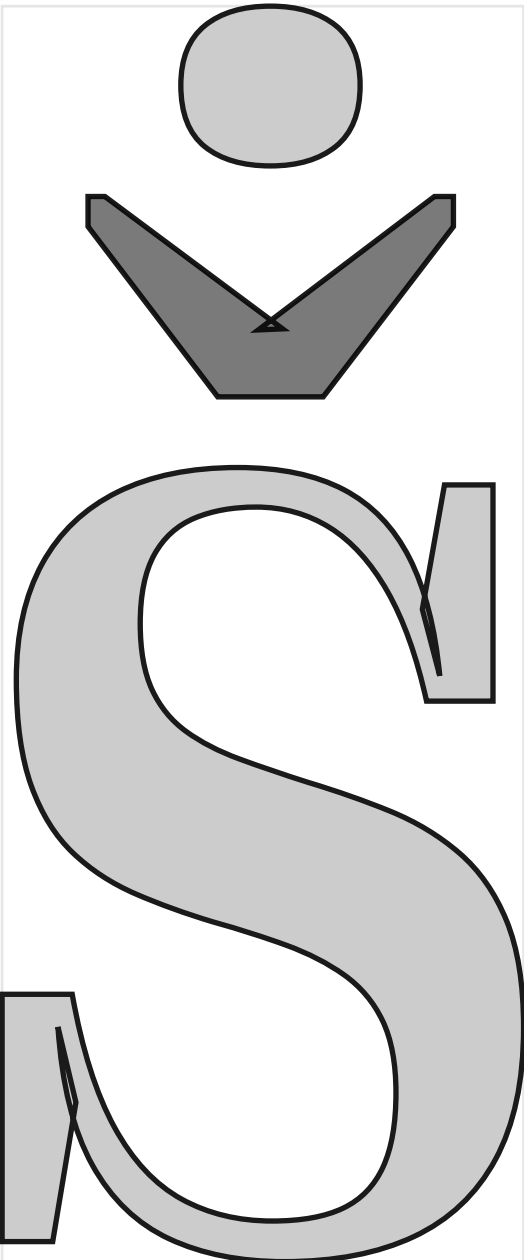


underweight

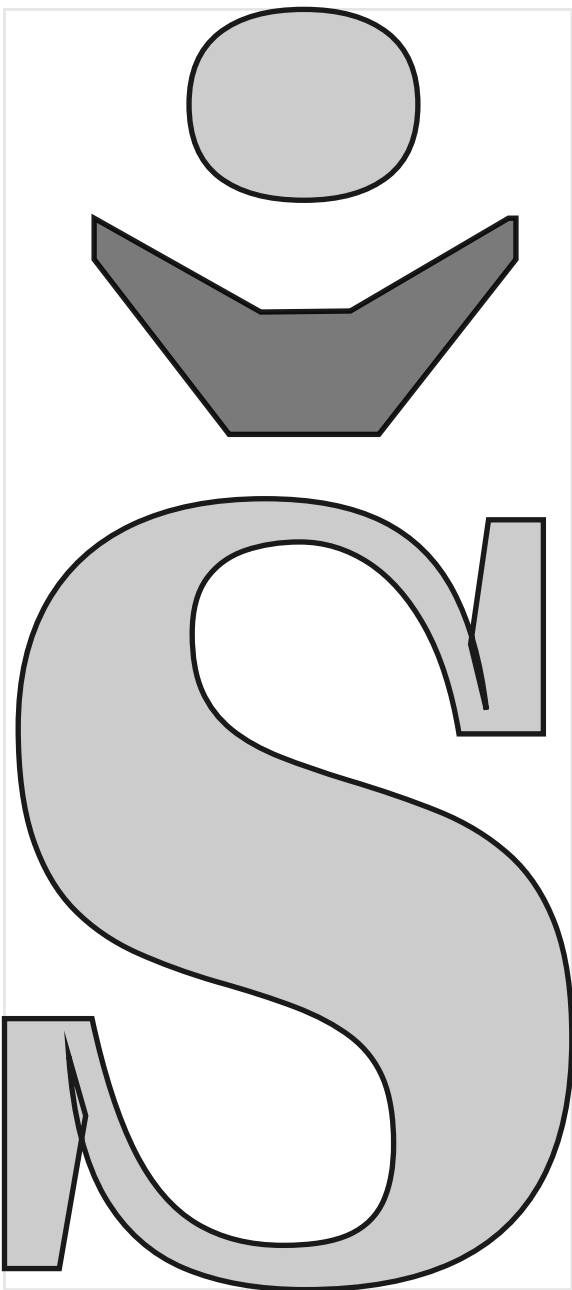
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation



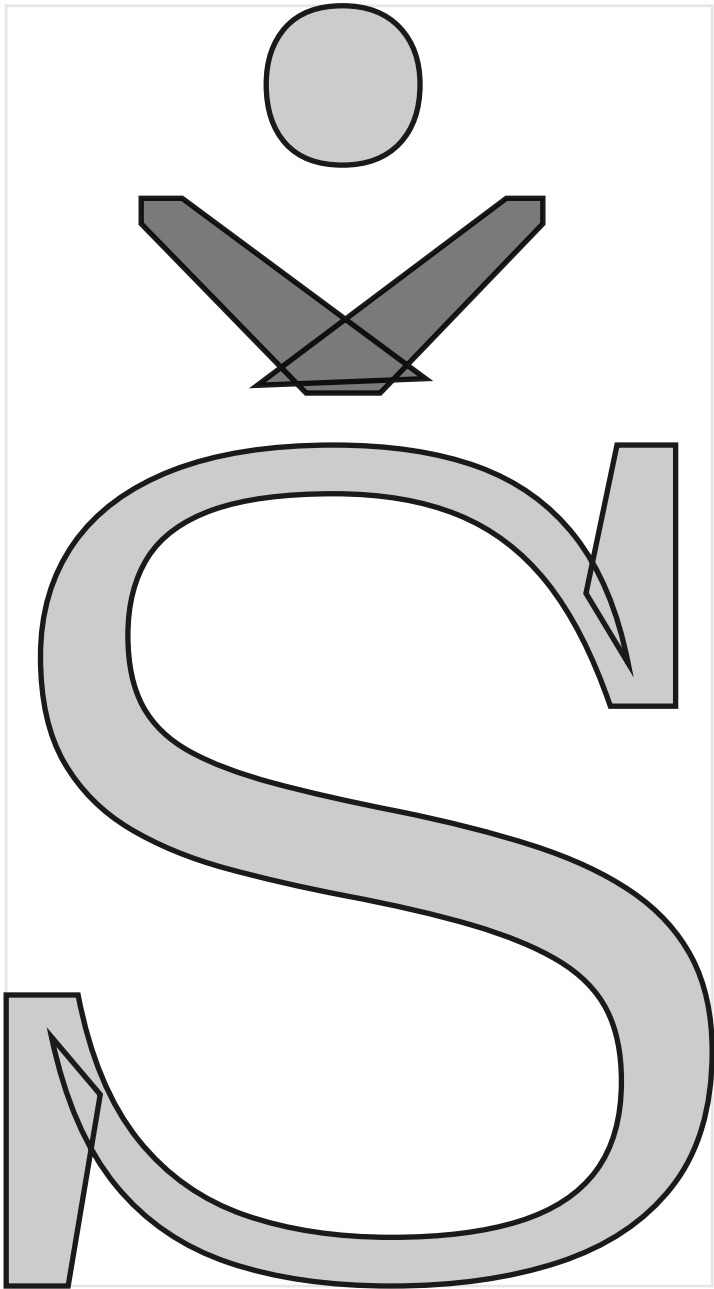
'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'



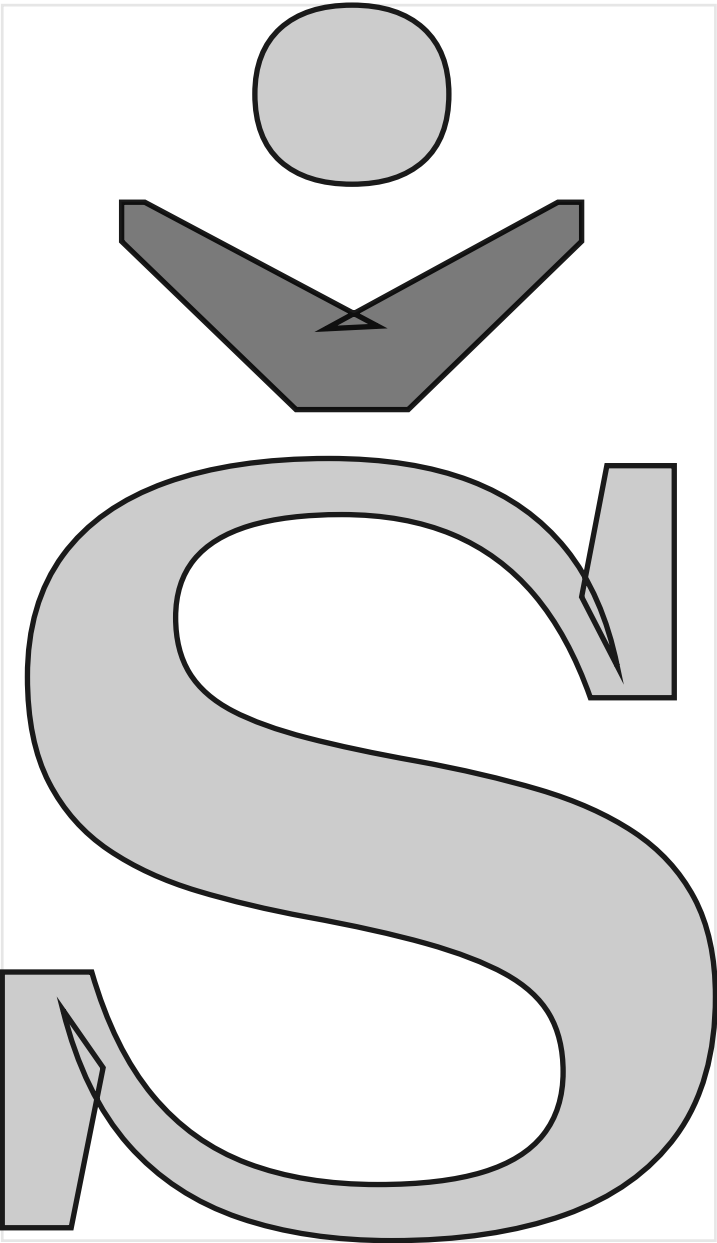


underweight

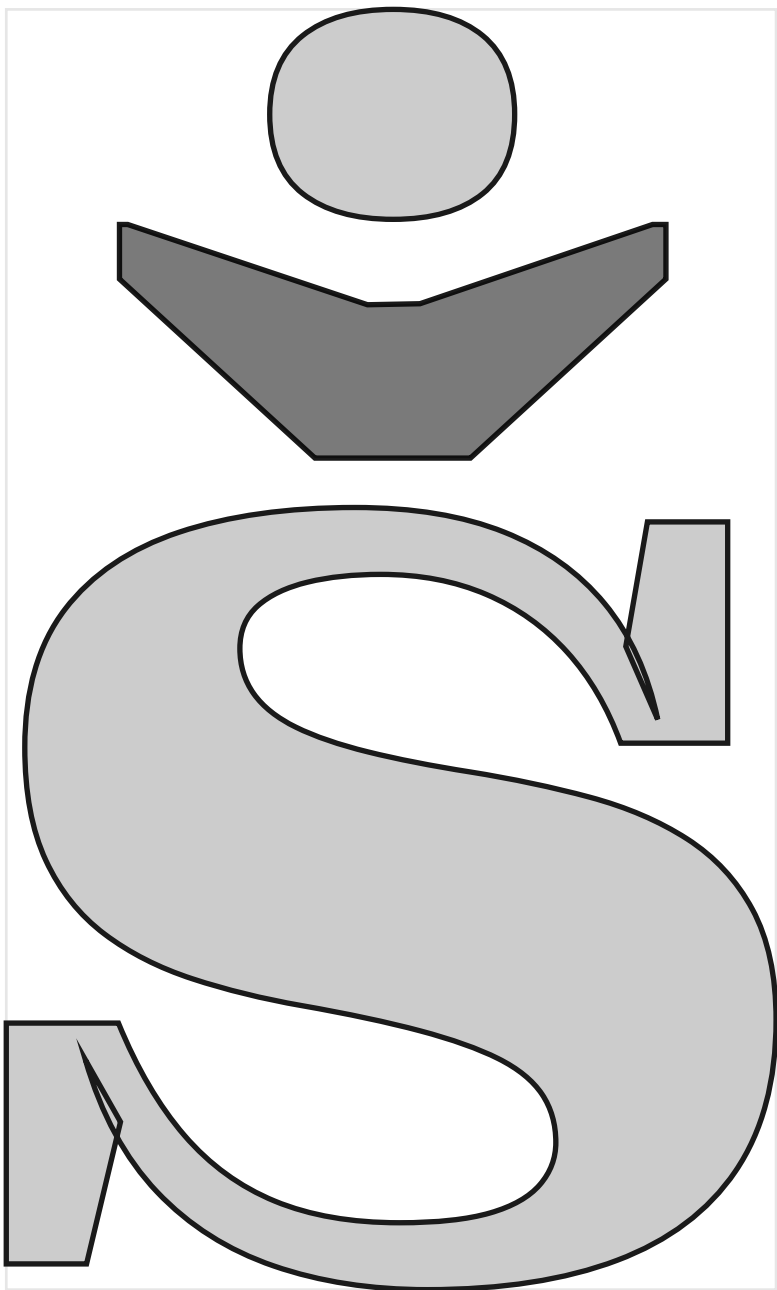
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

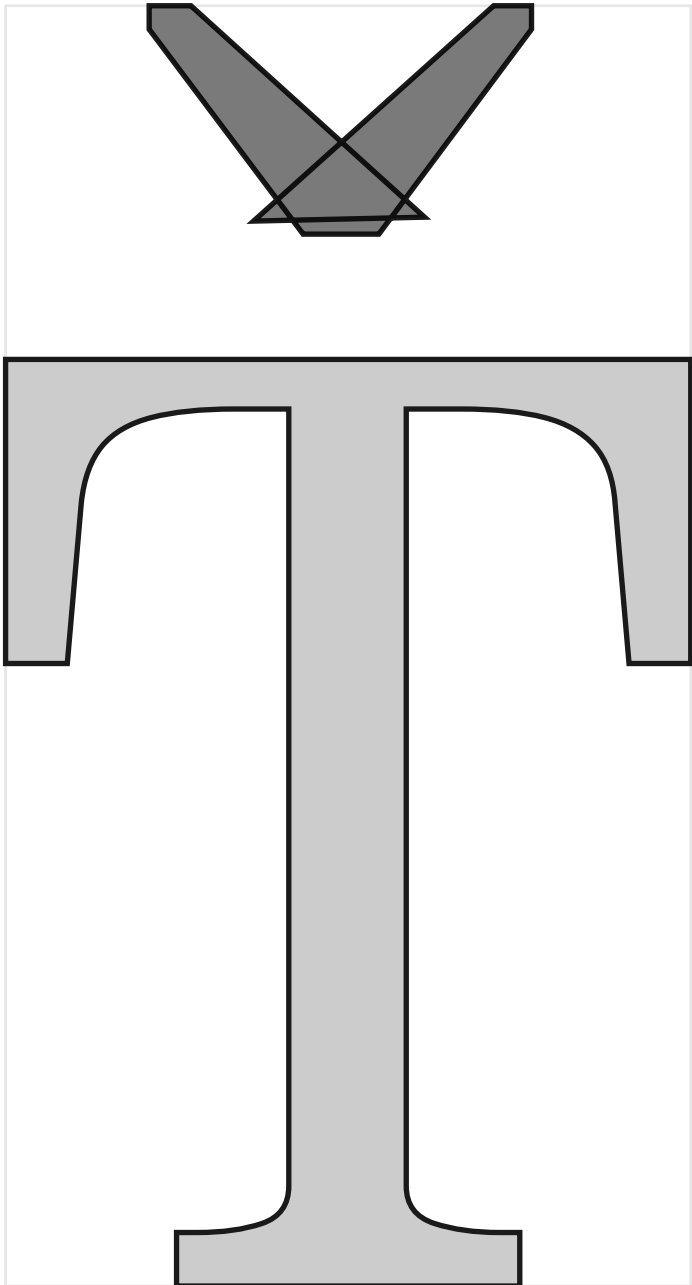


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

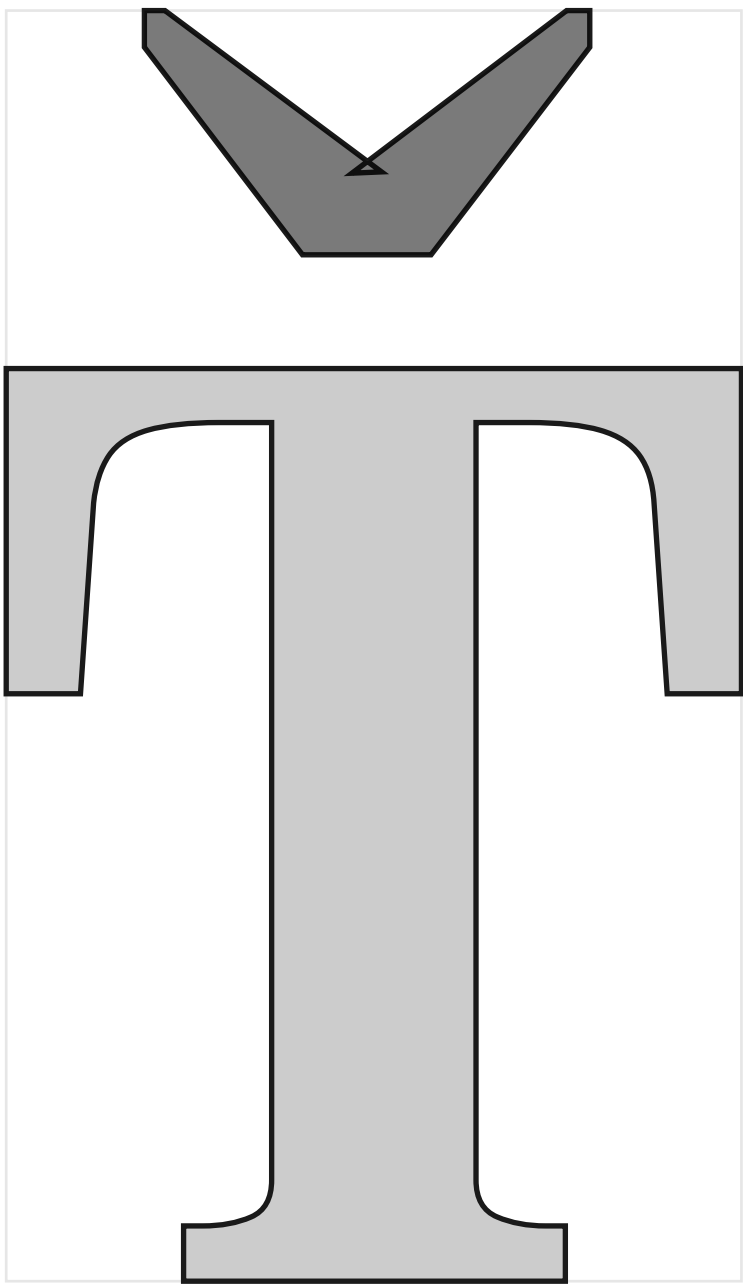


underweight

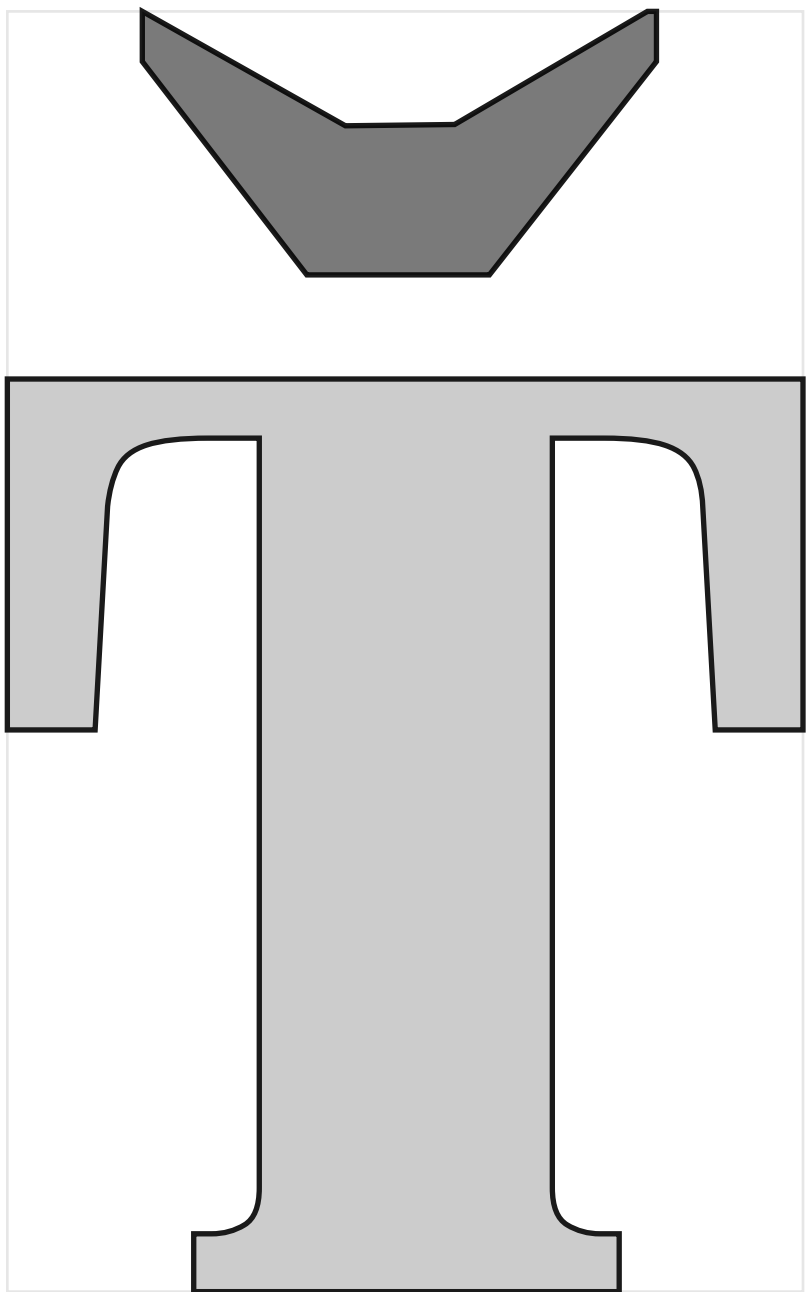
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

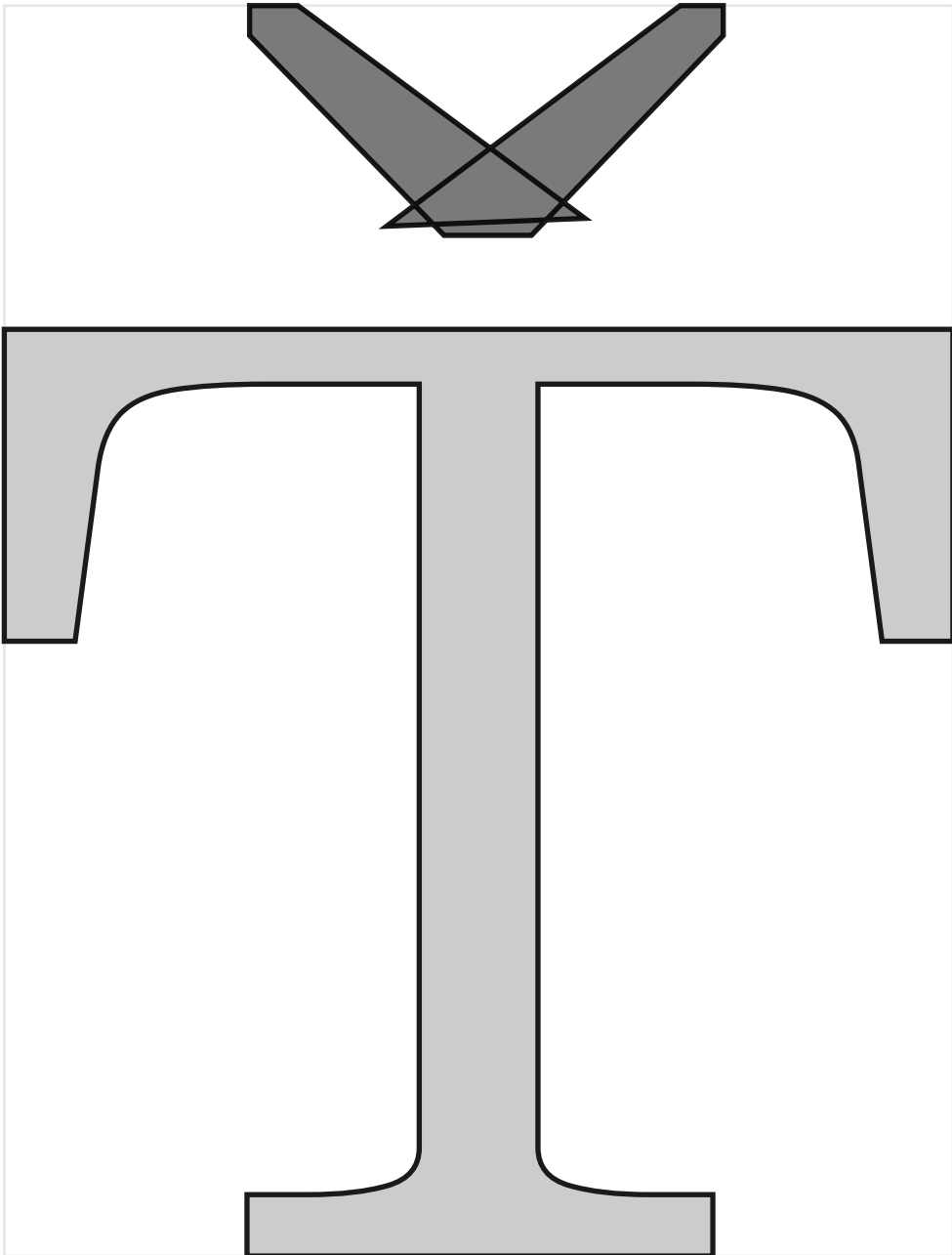


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

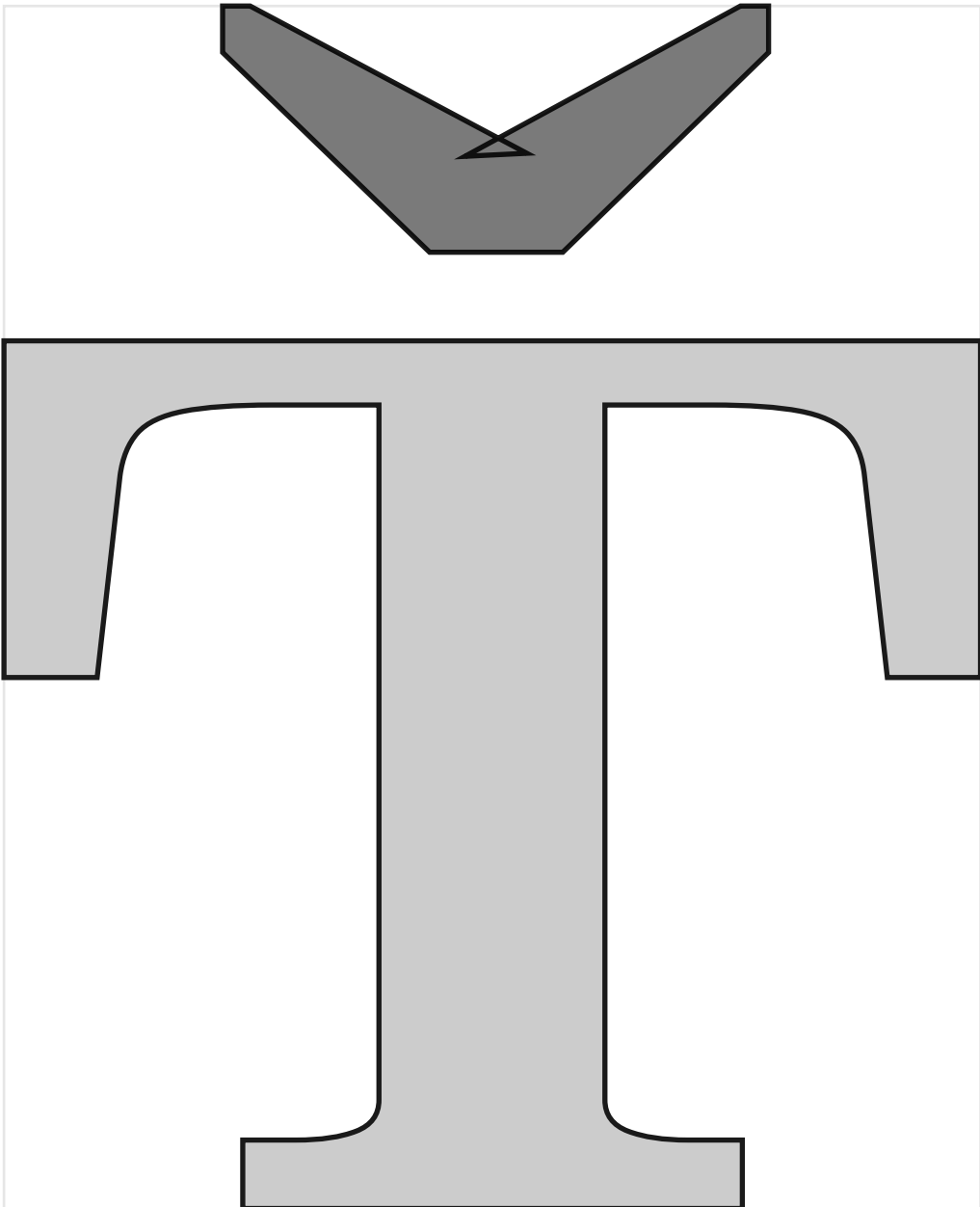


underweight

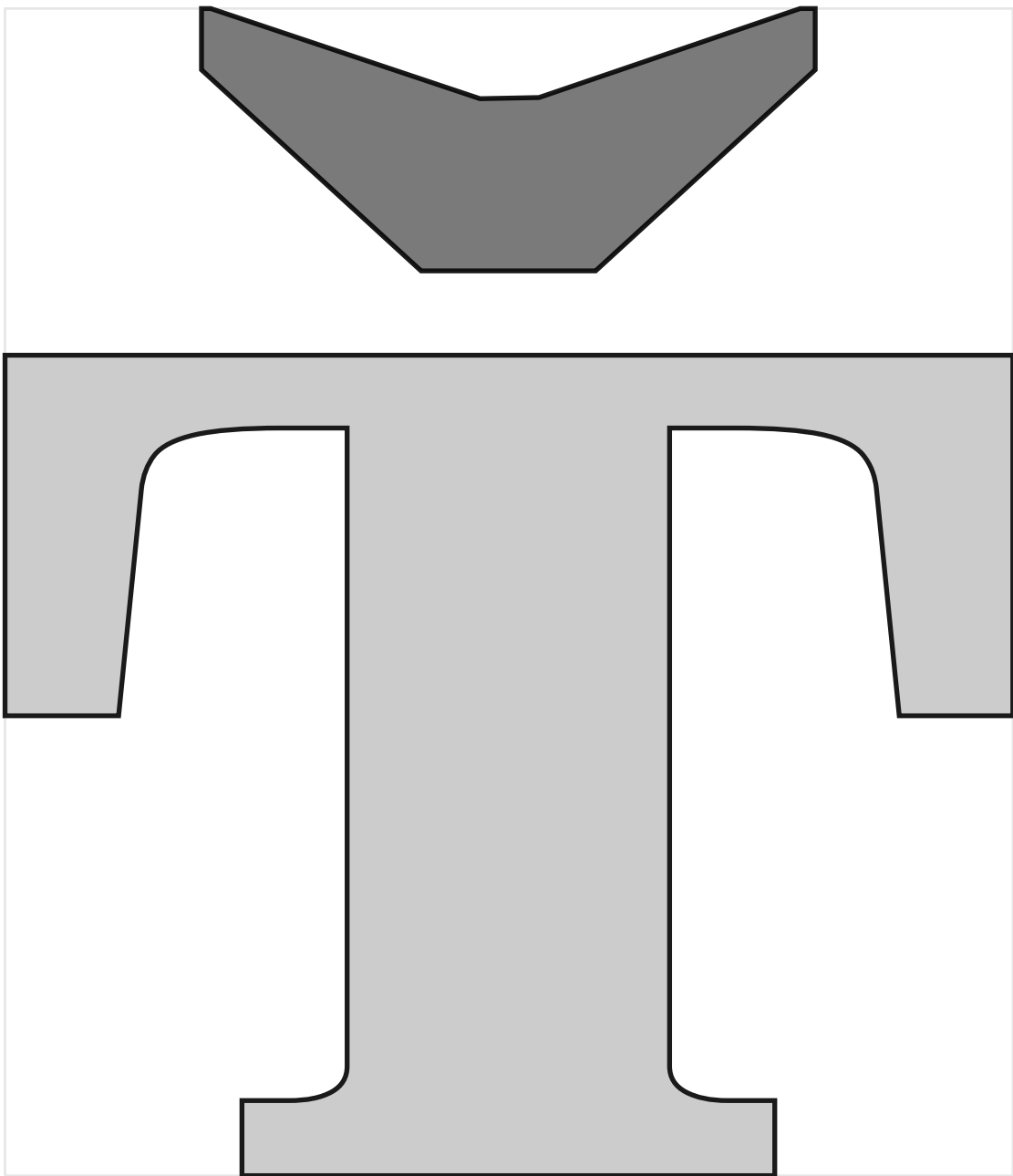
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

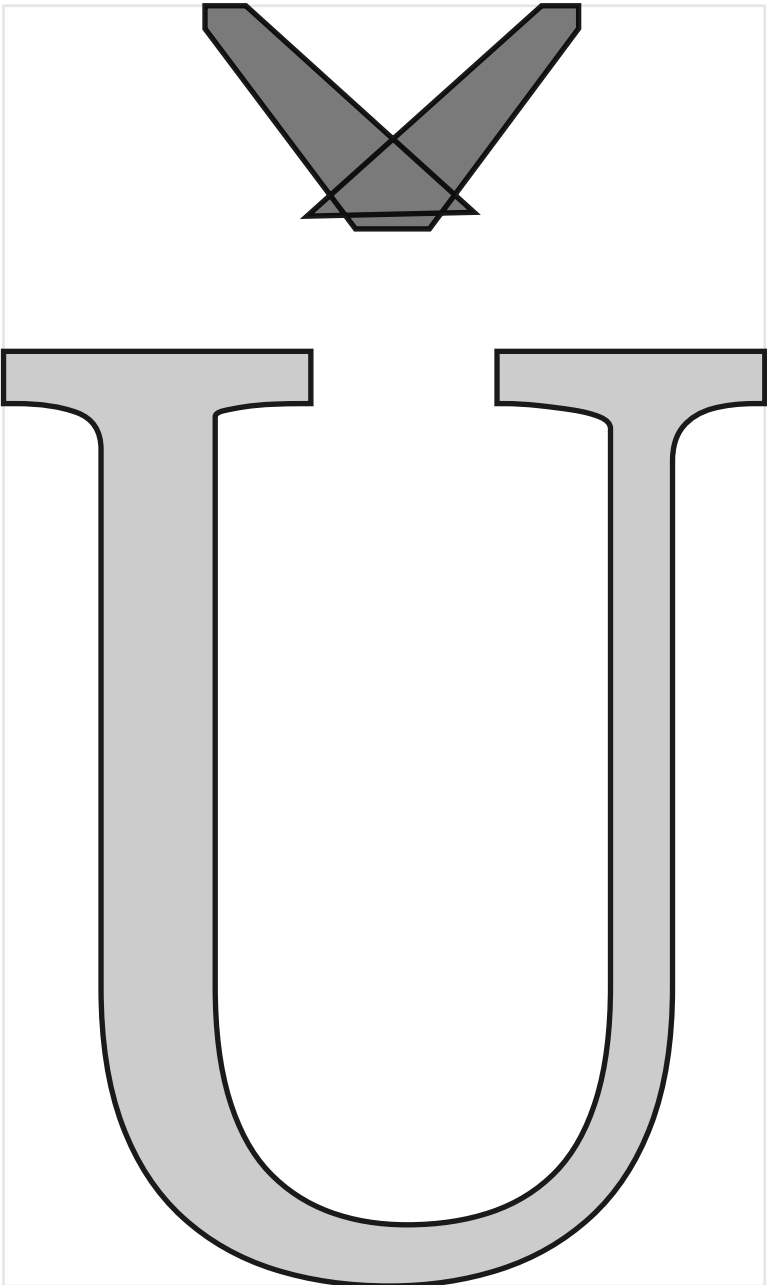


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

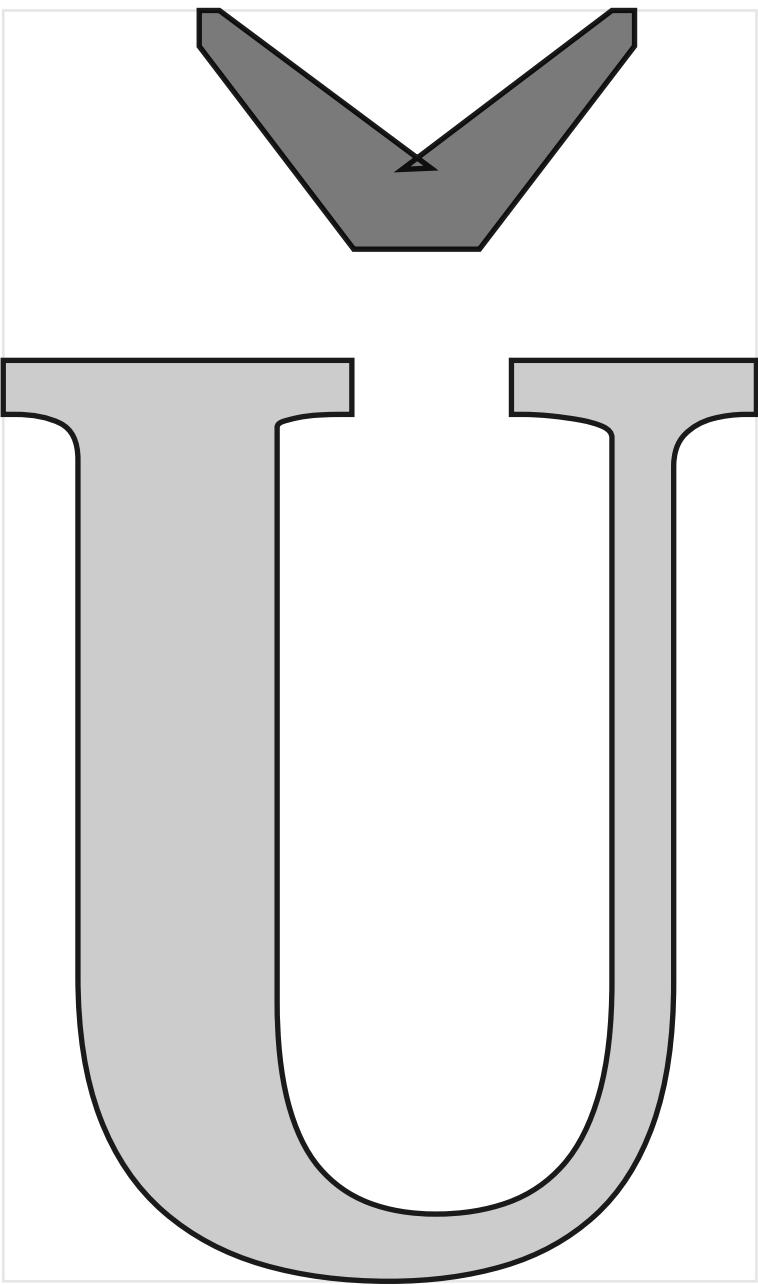


underweight

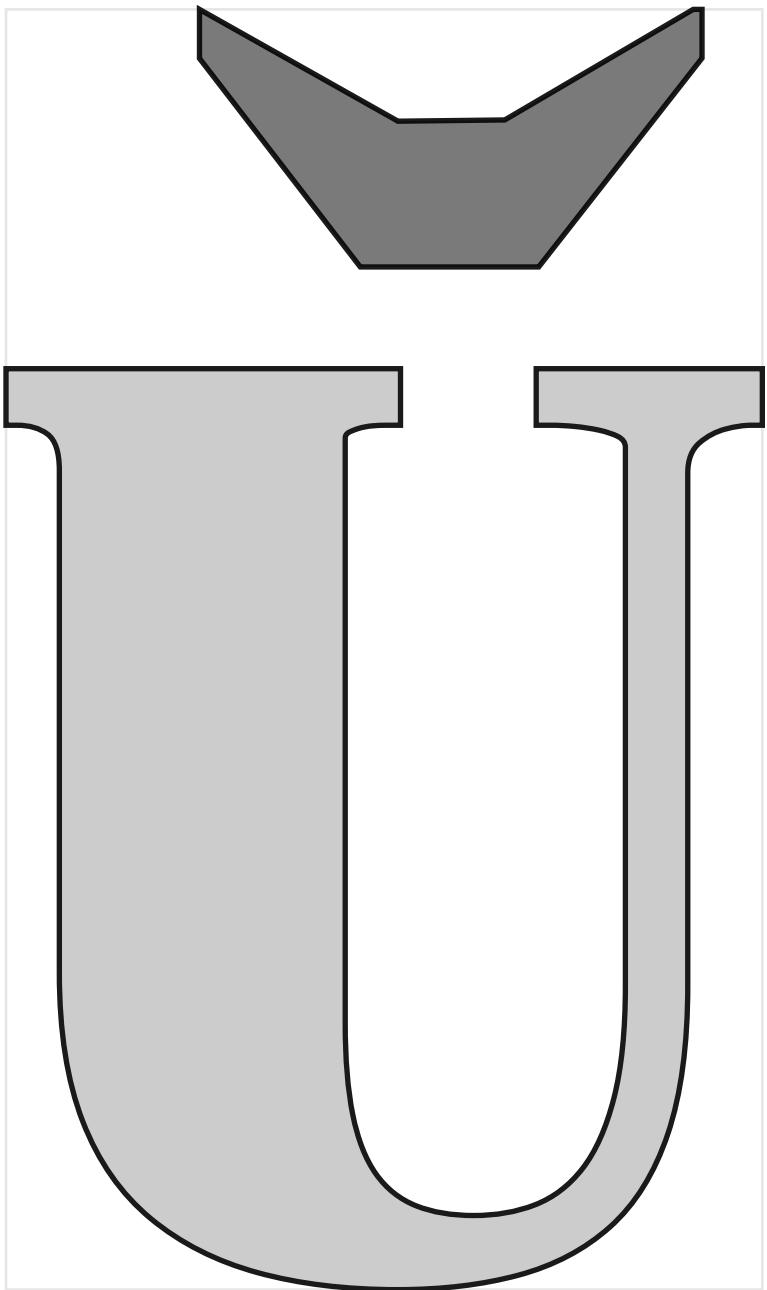
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

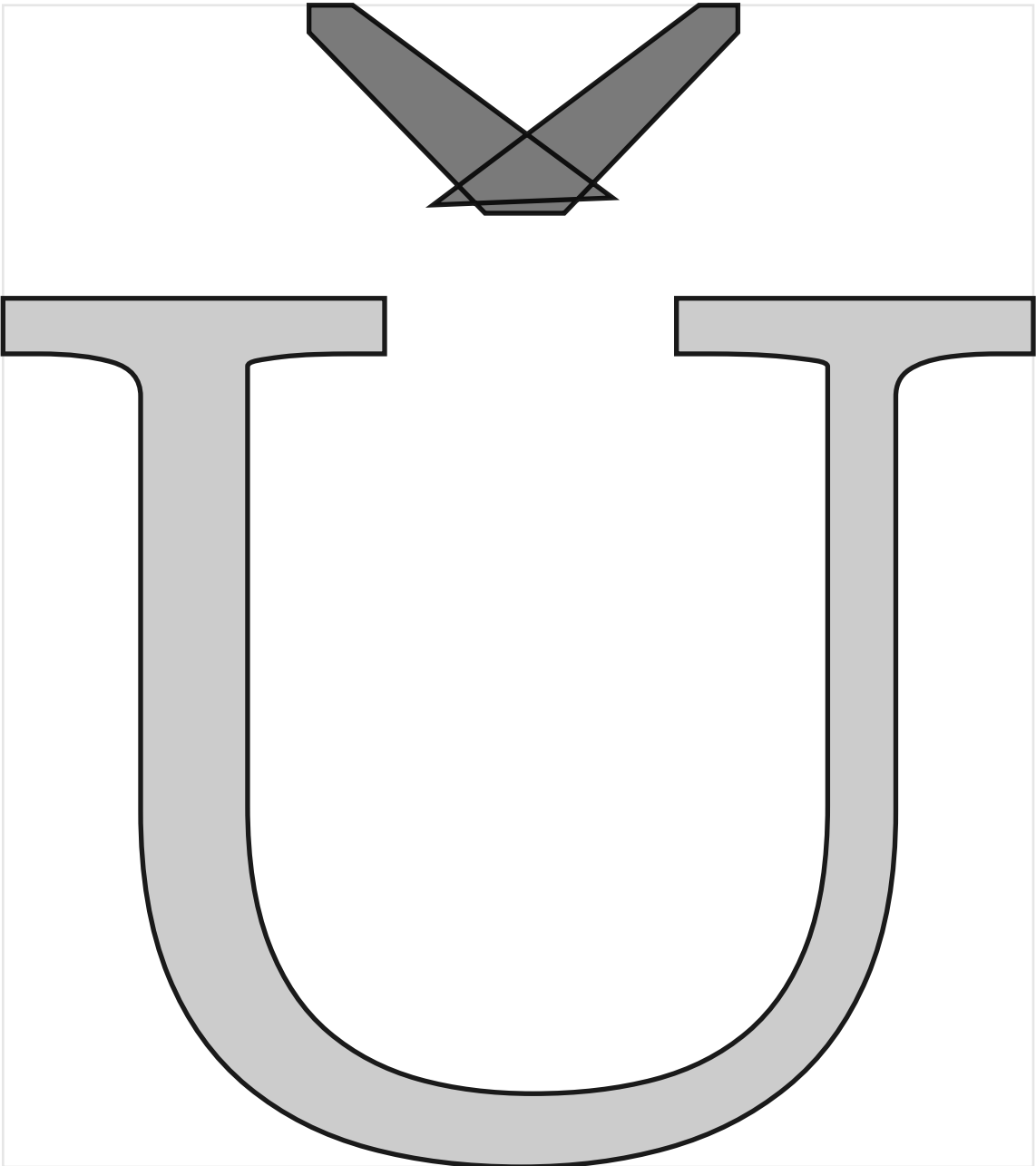


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

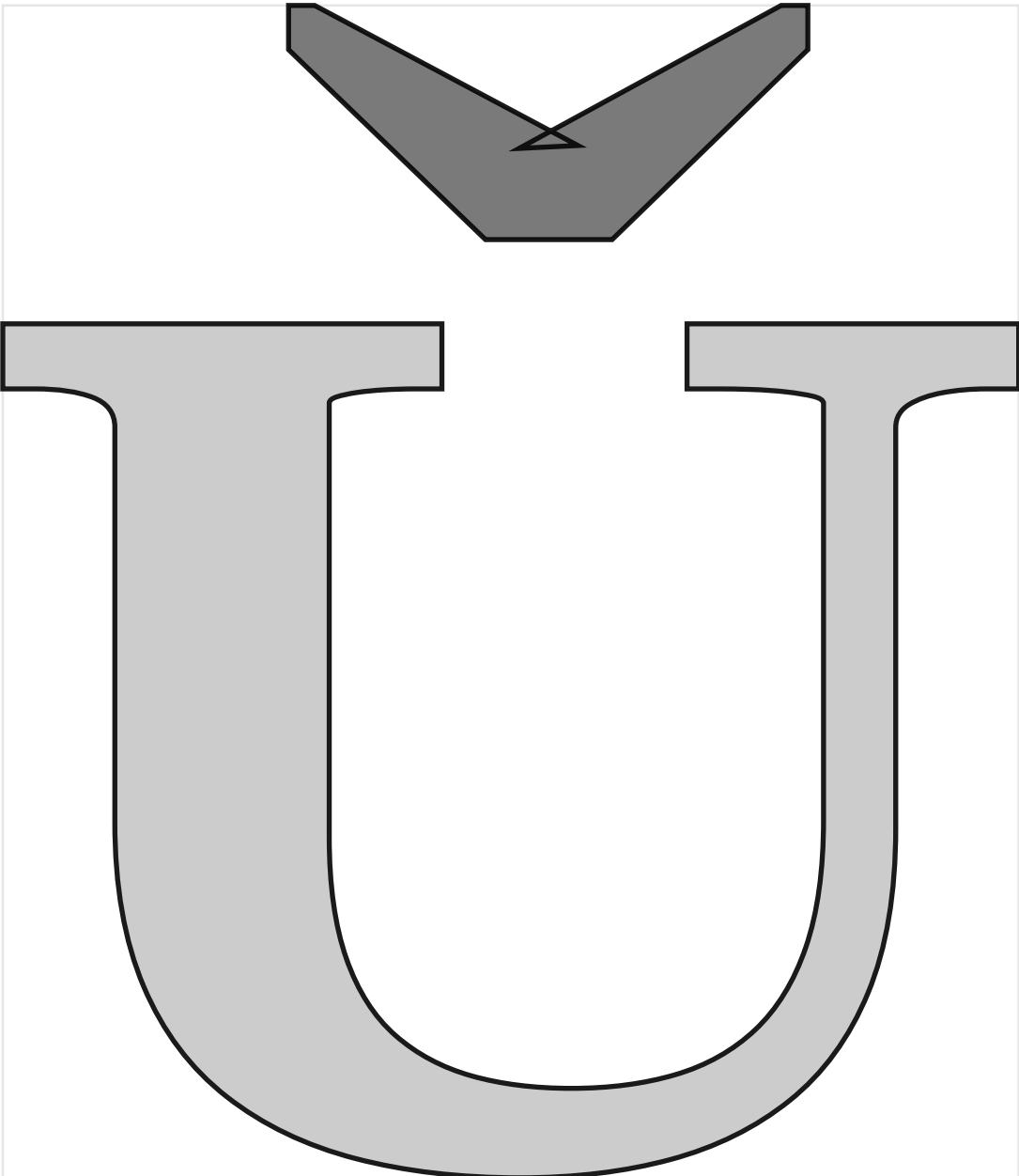


underweight

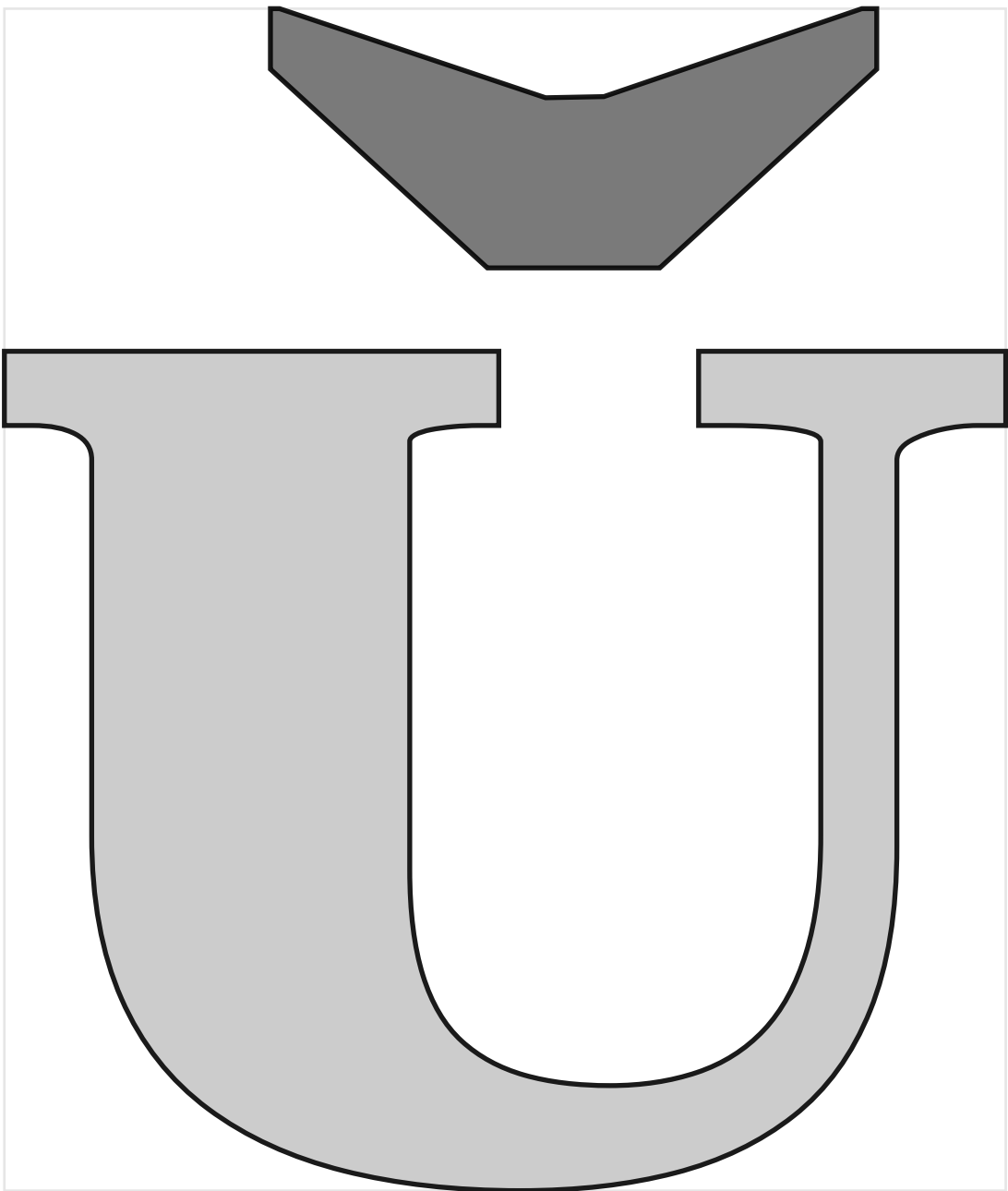
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

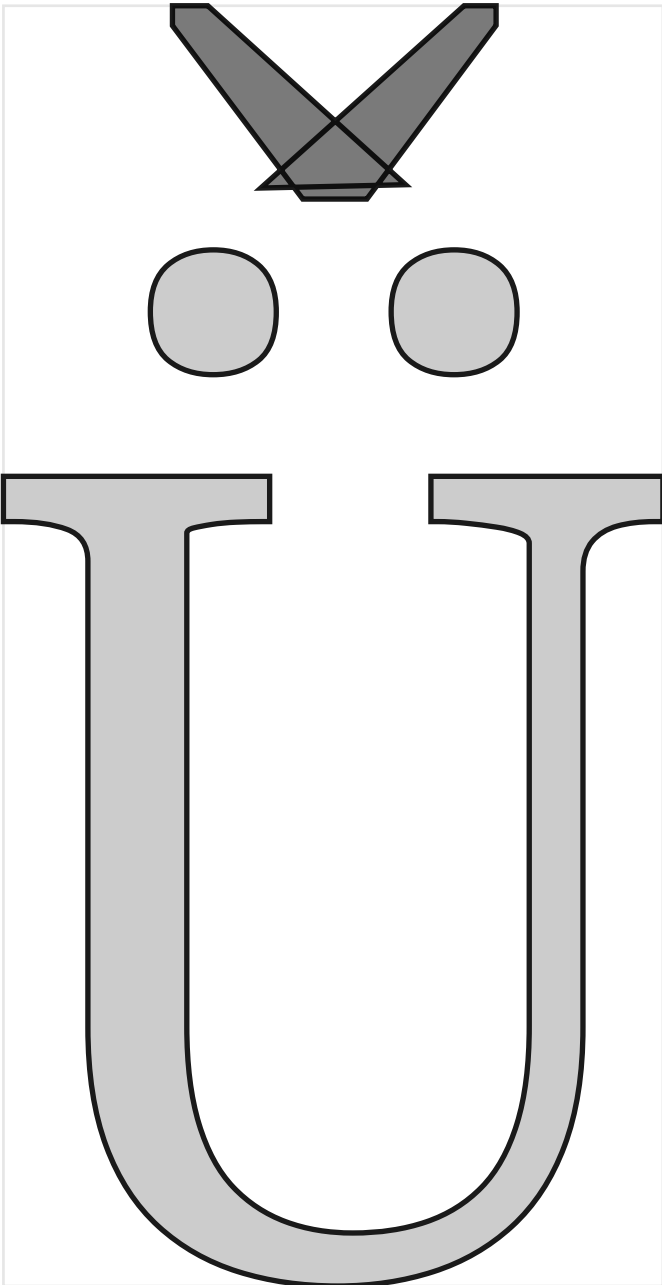


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

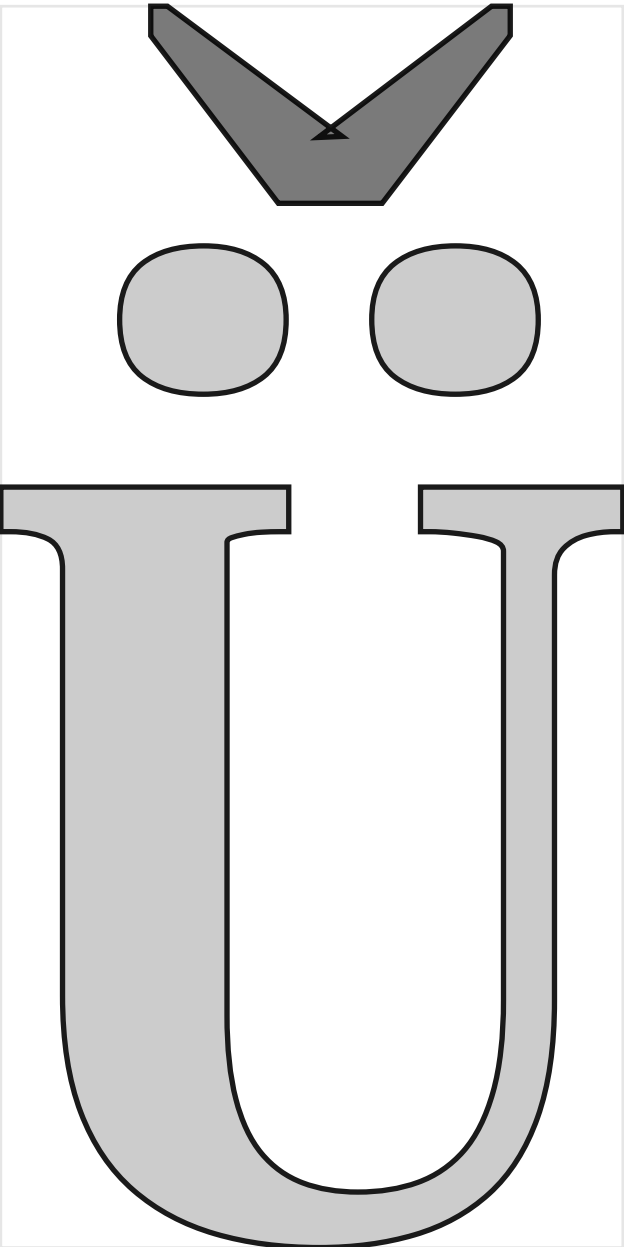


underweight

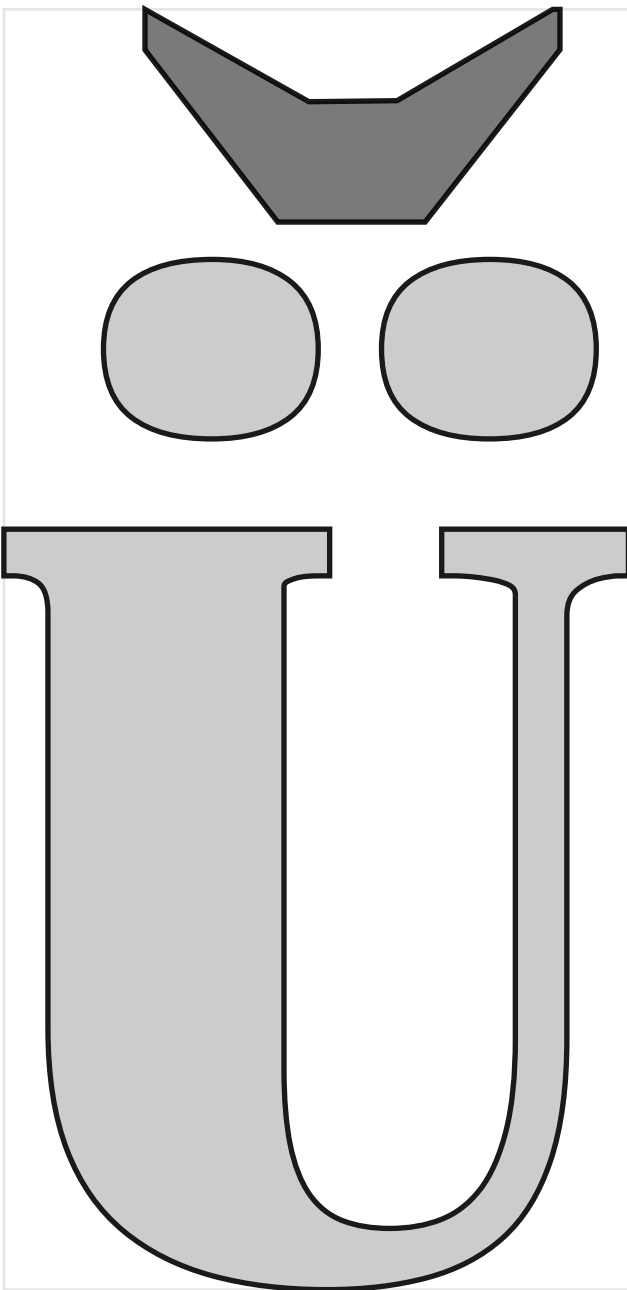
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

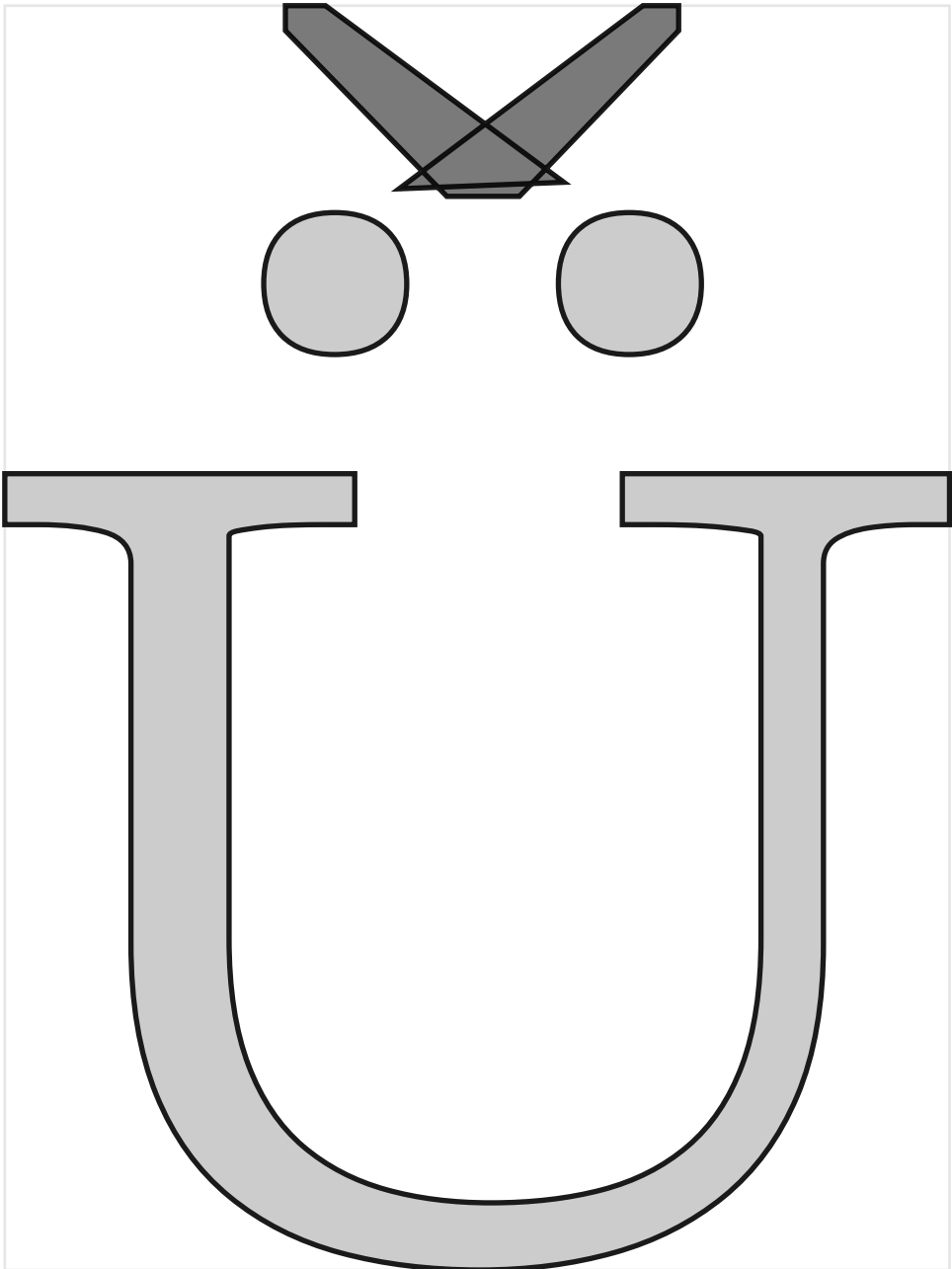


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

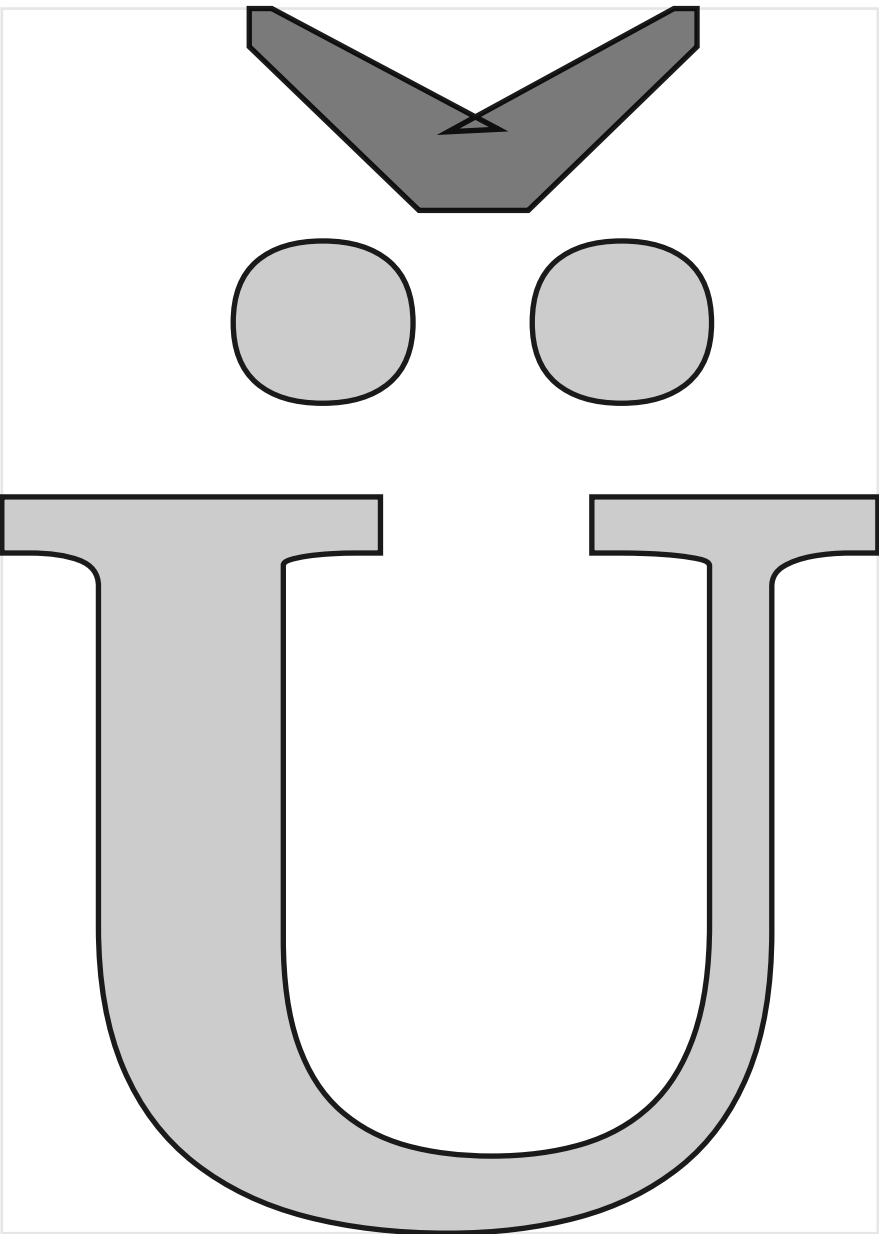


underweight

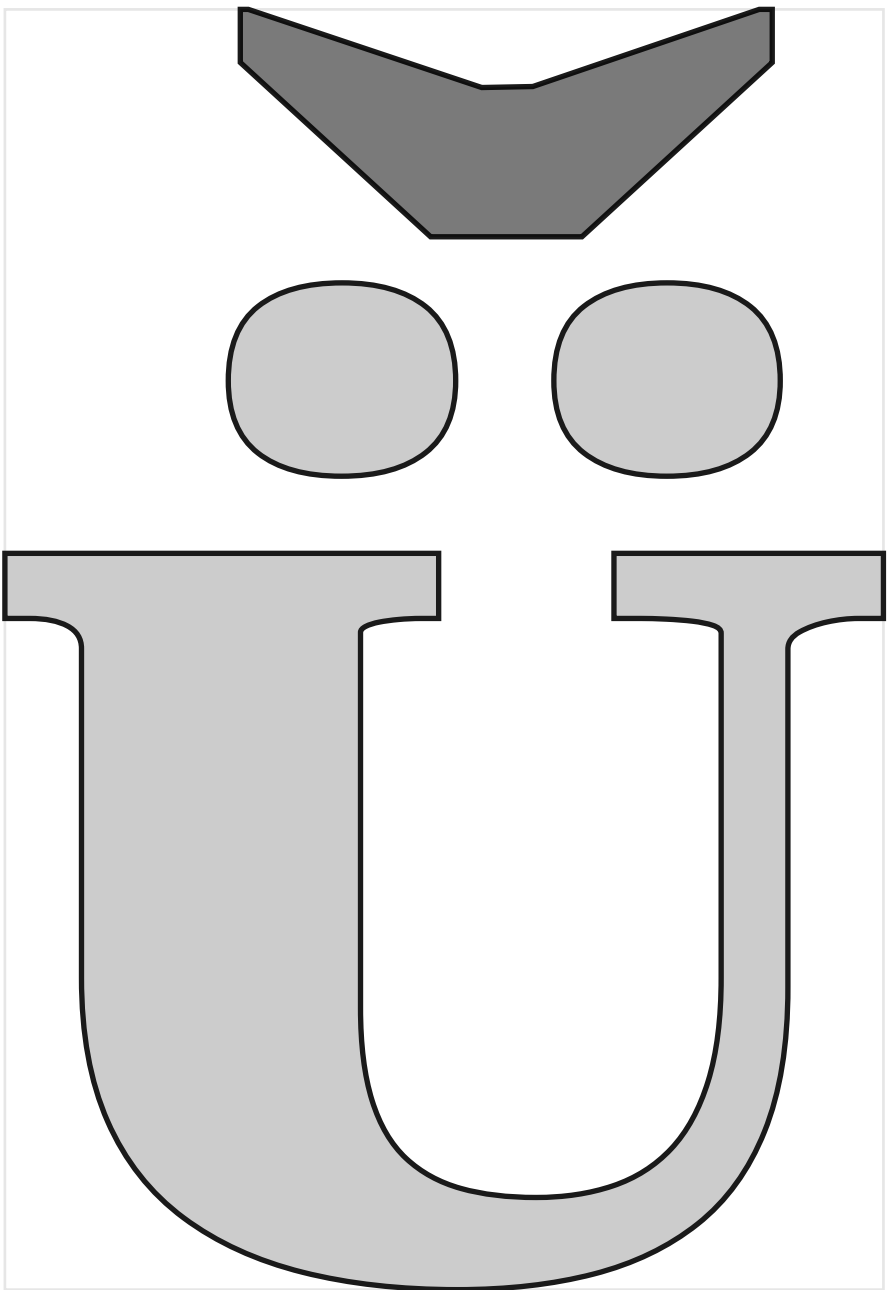
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

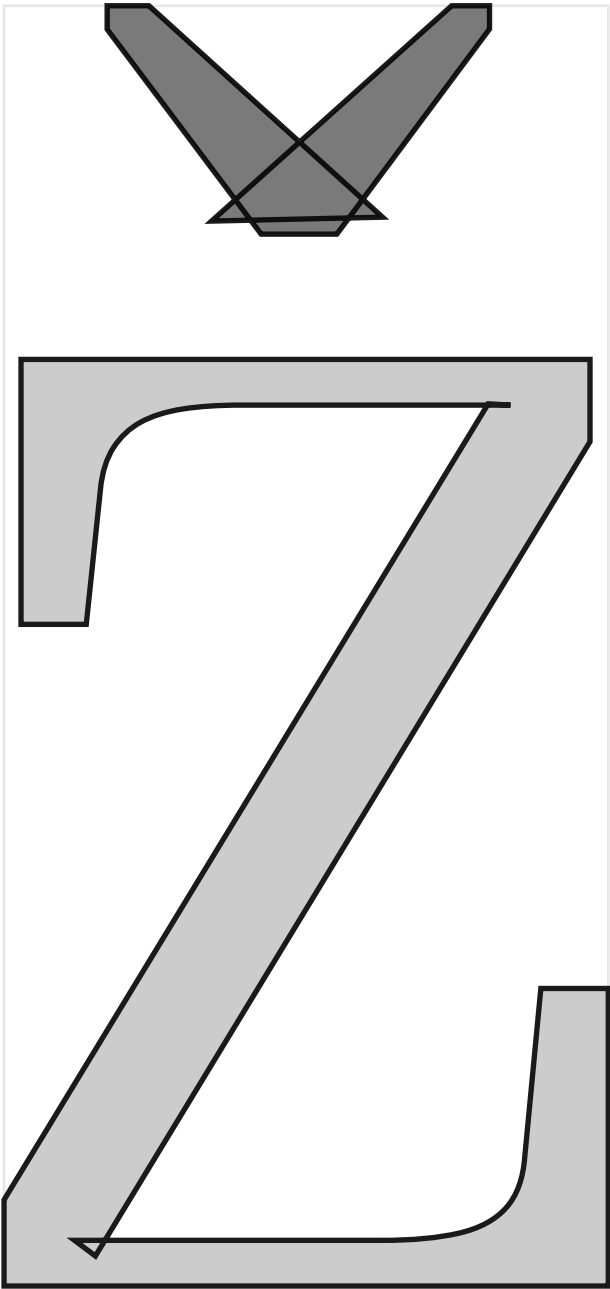


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

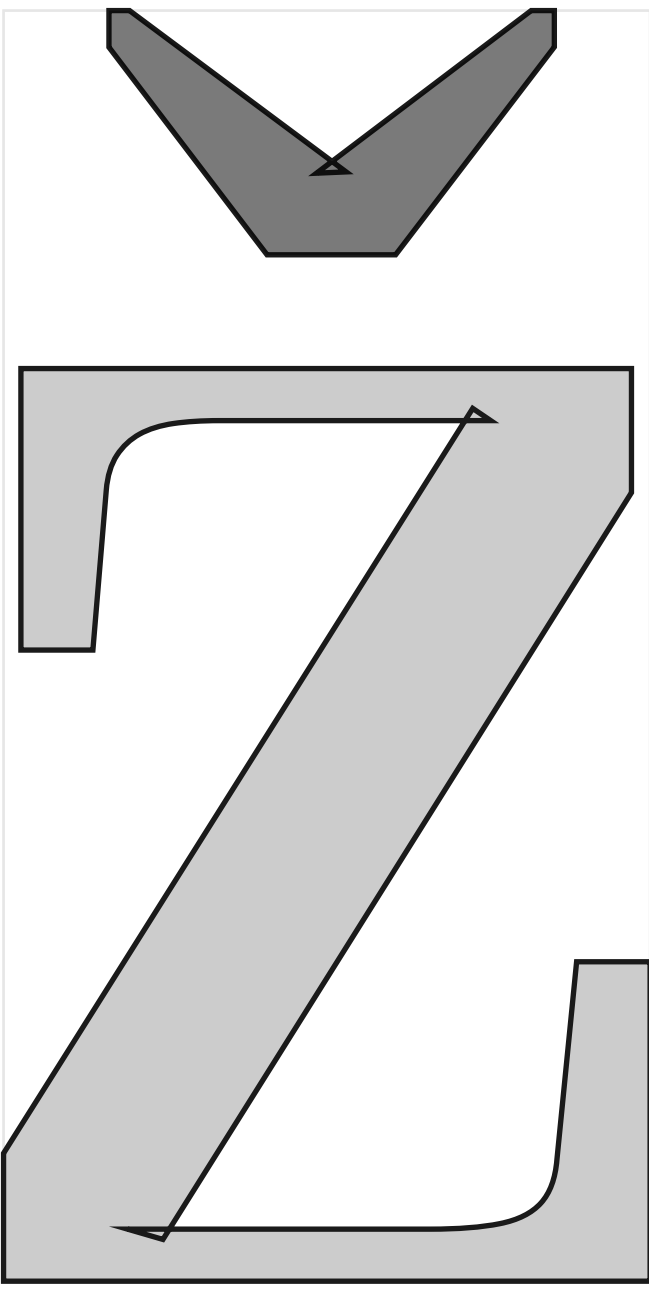


underweight

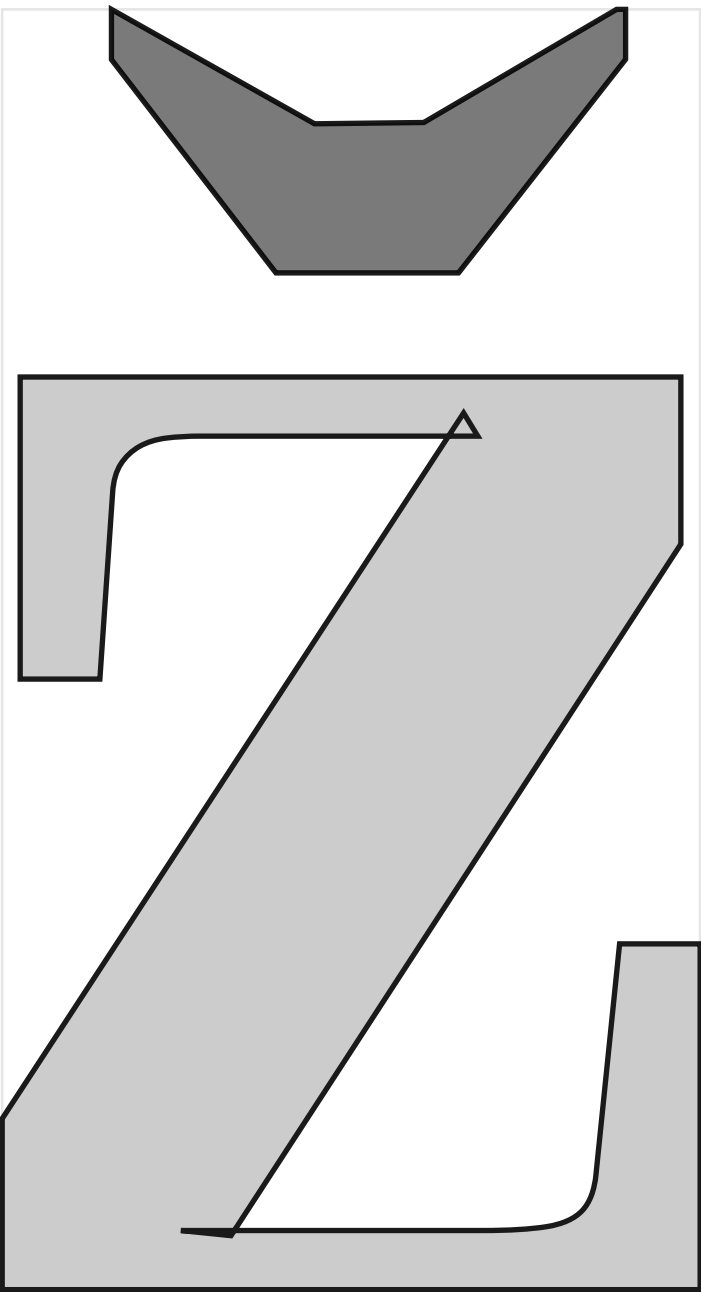
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation



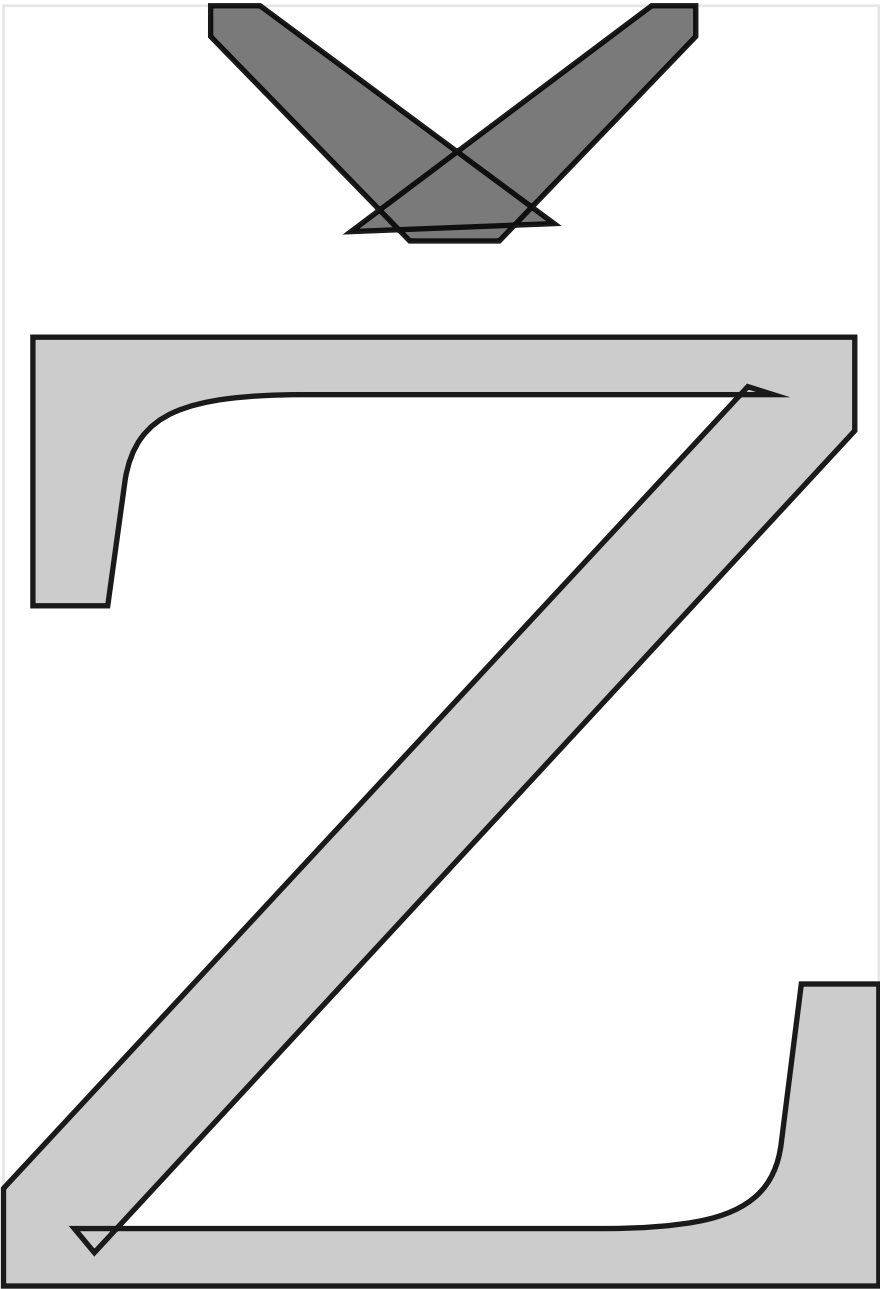
'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'



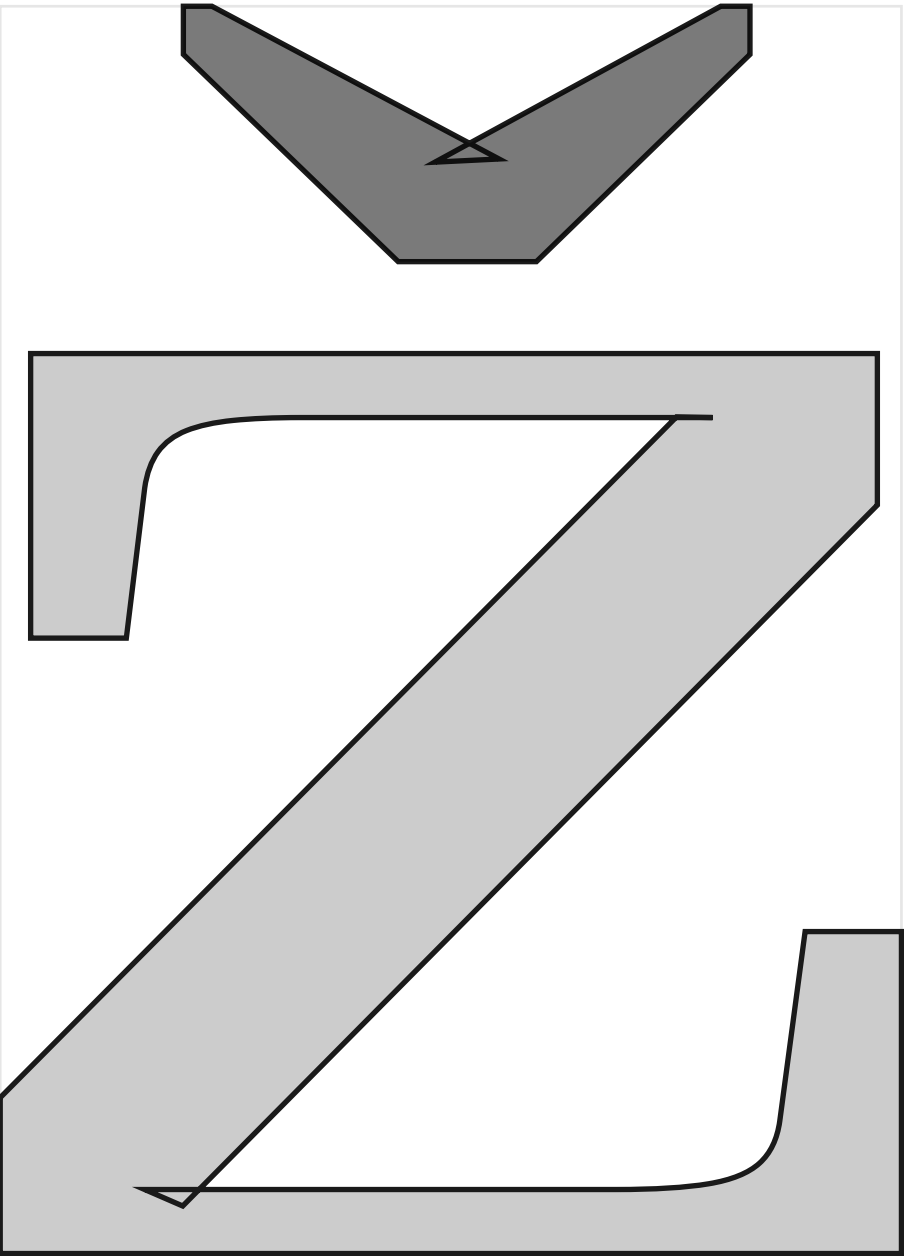


underweight

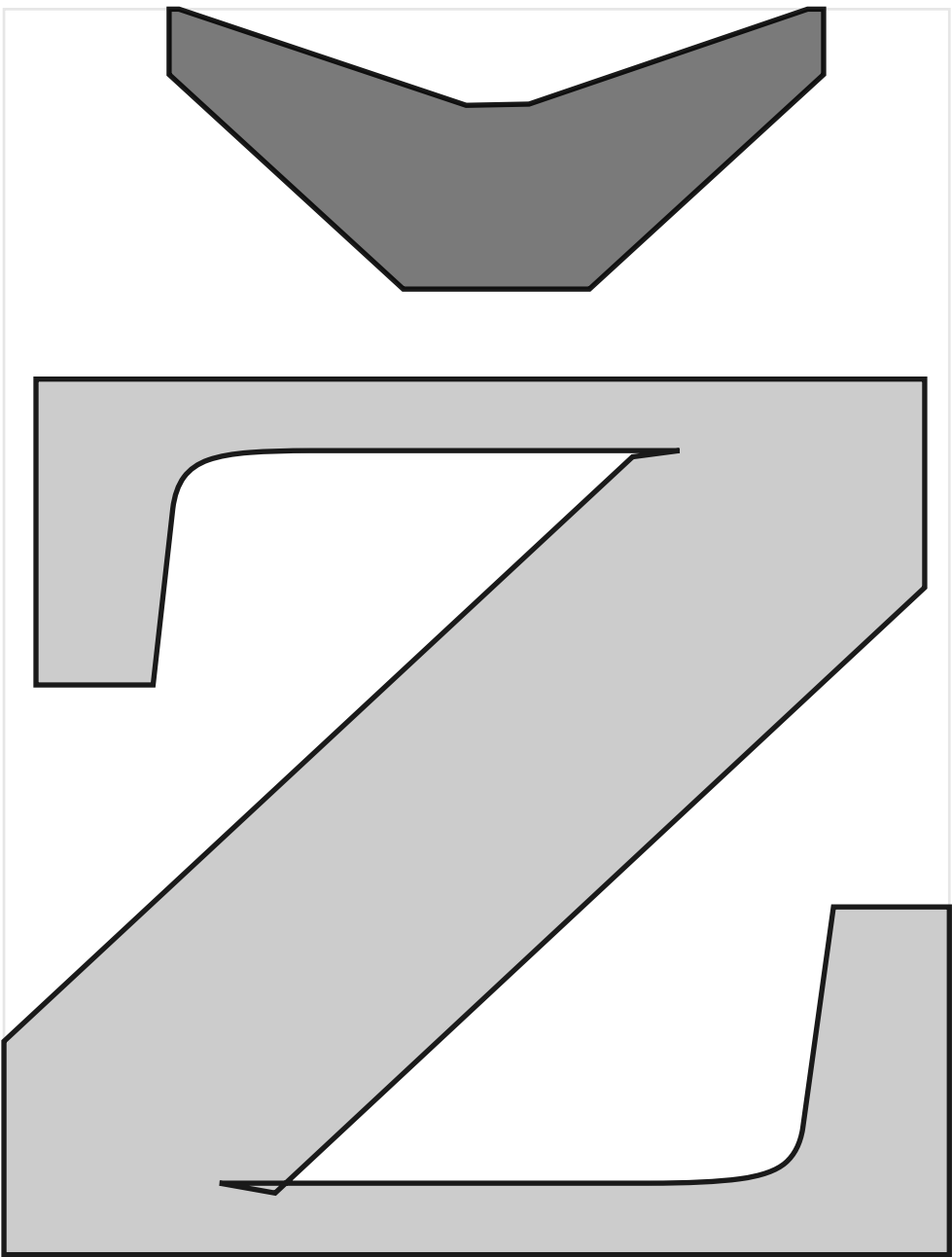
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

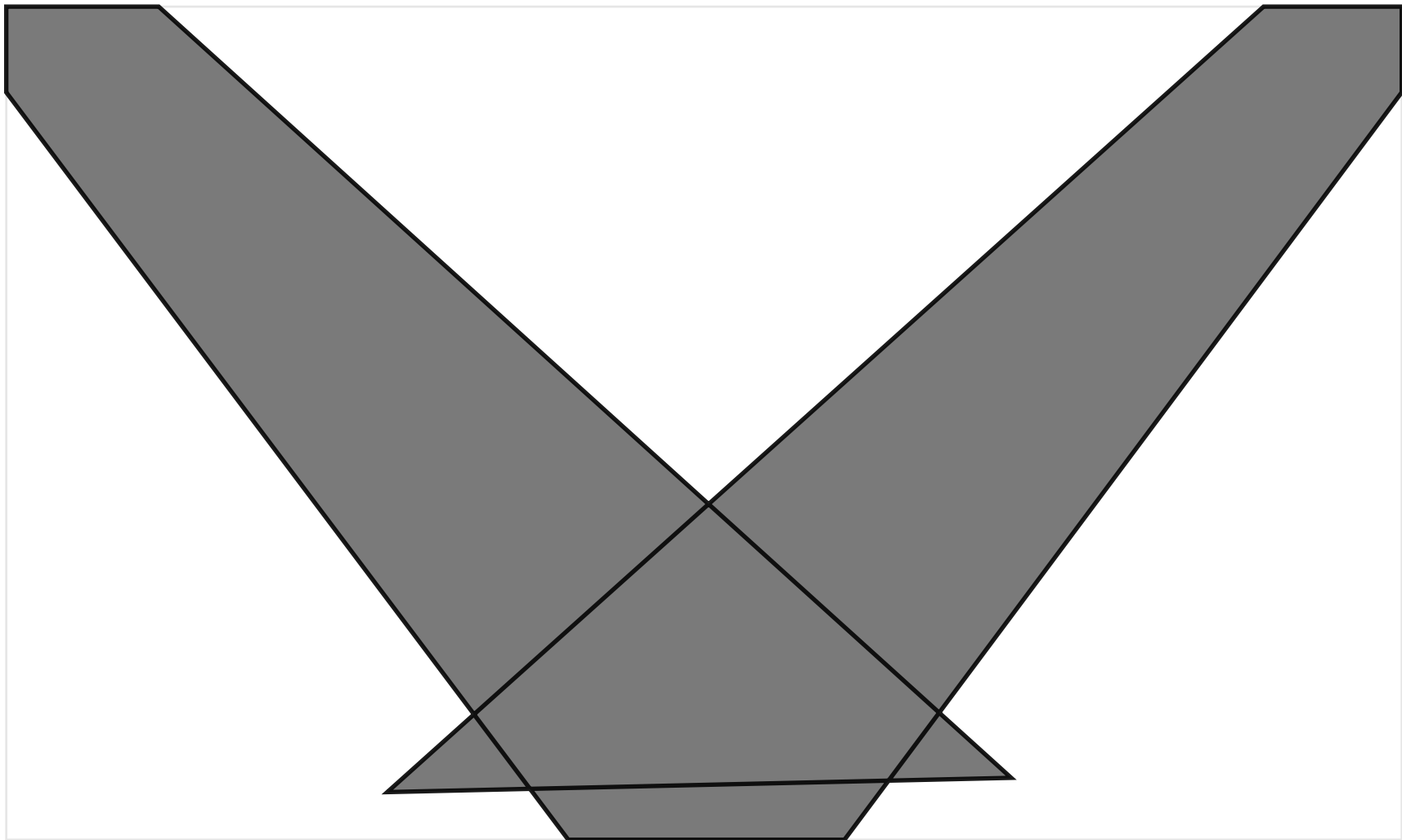


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

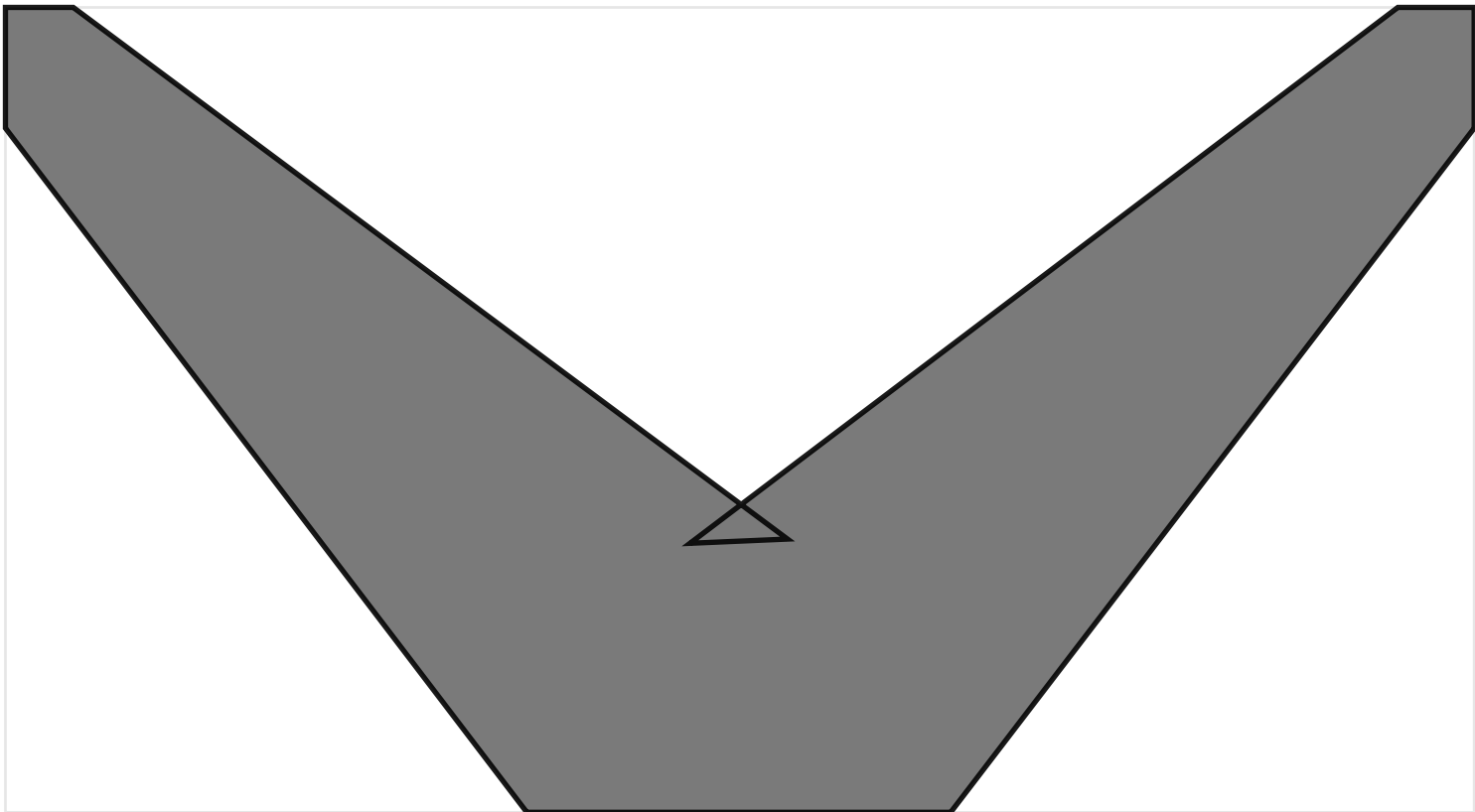


underweight

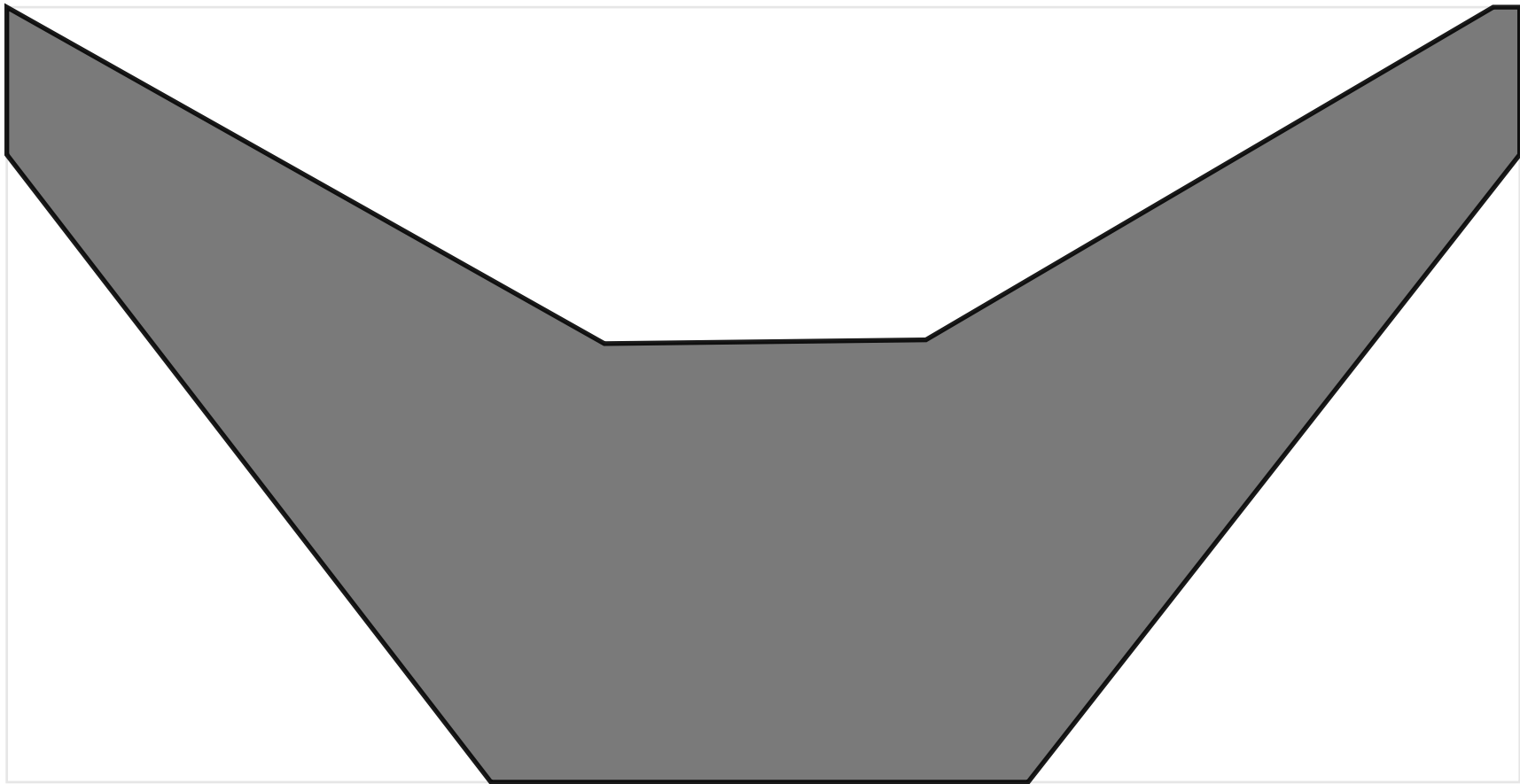
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

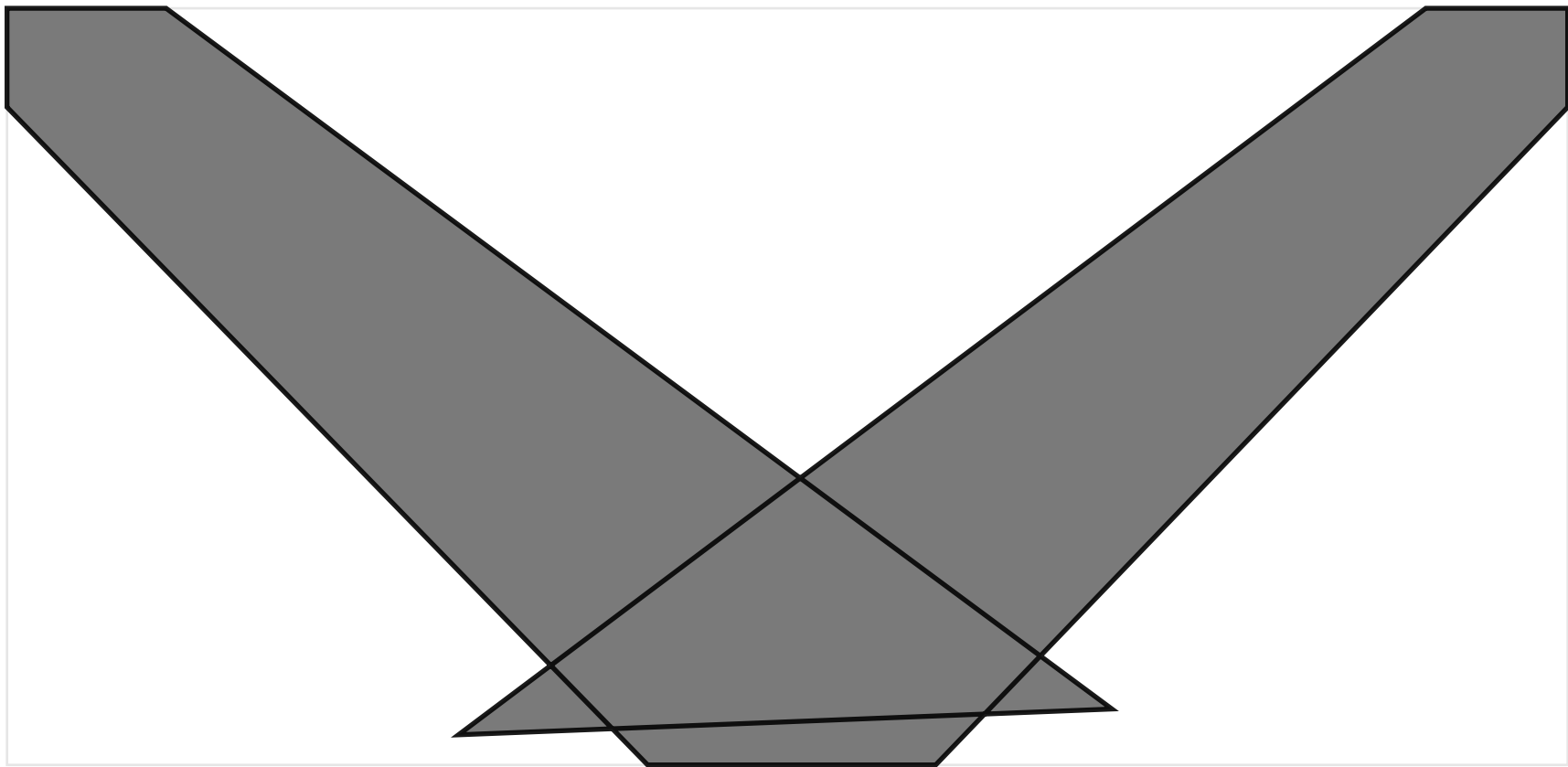


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

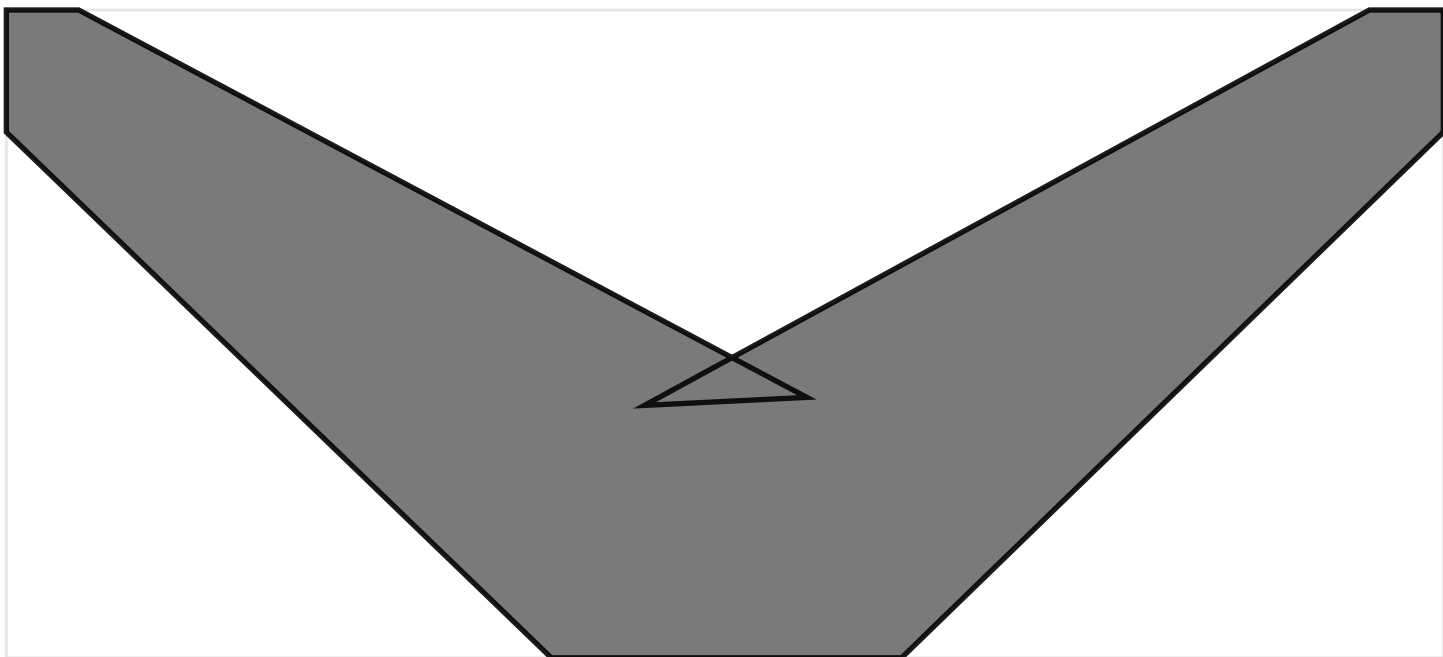


underweight

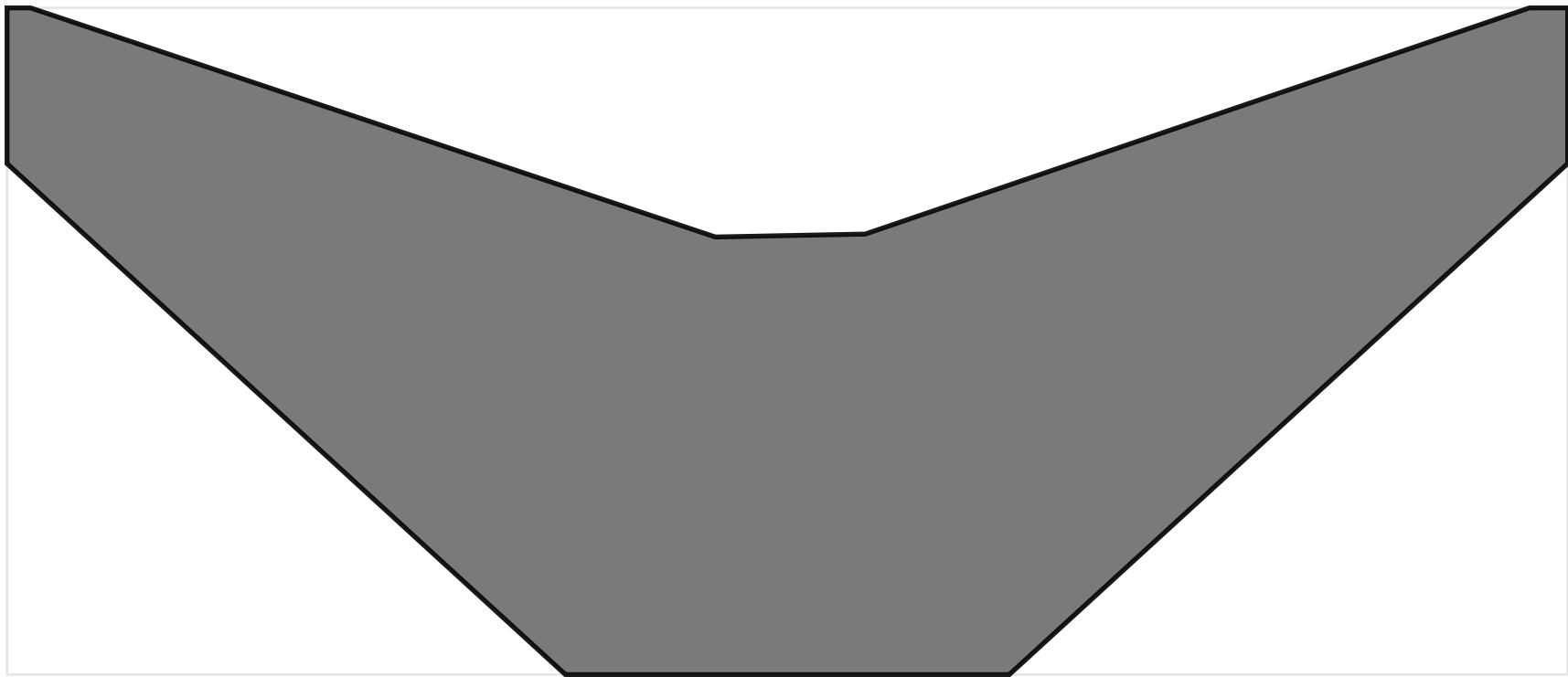
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

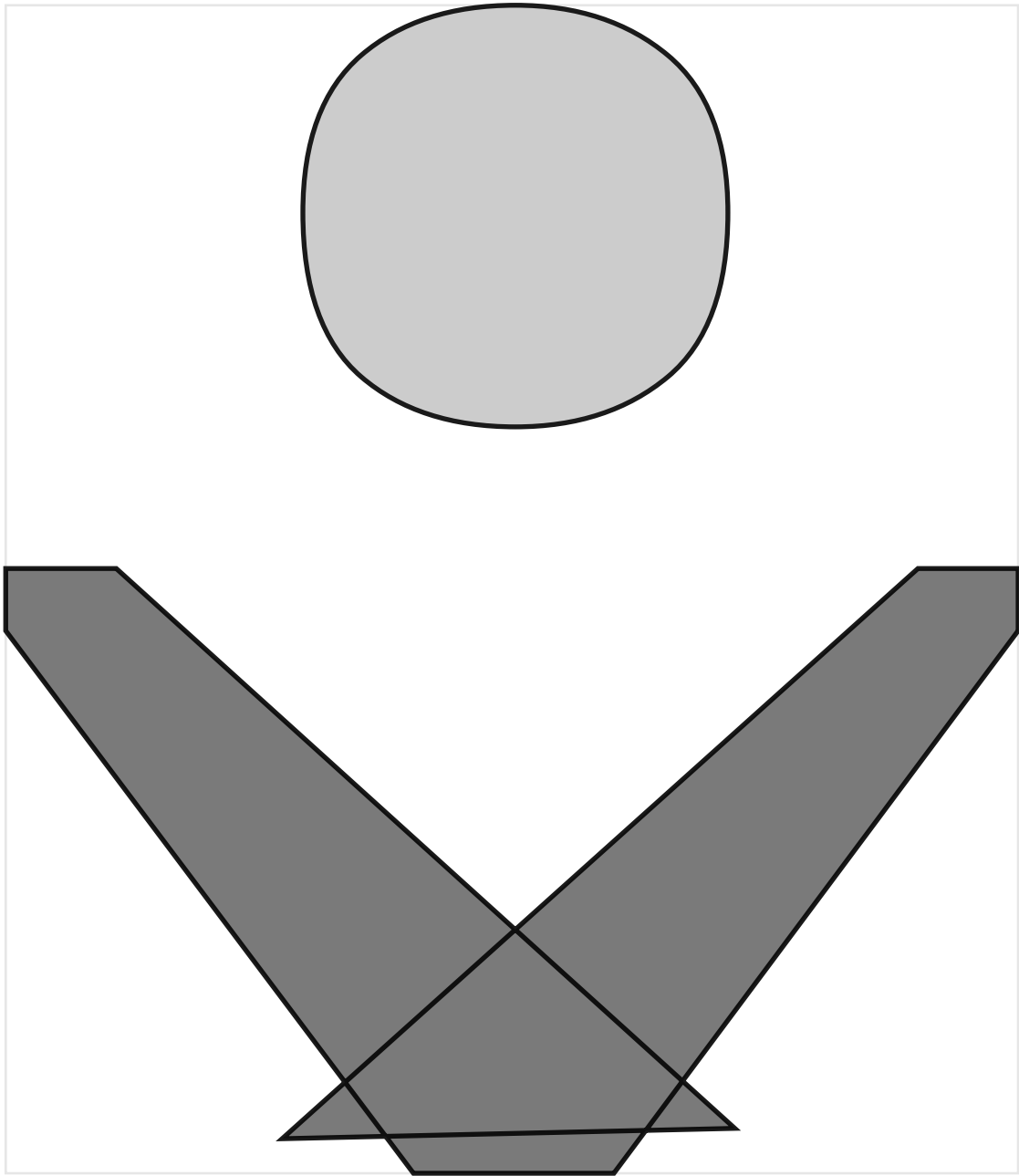


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

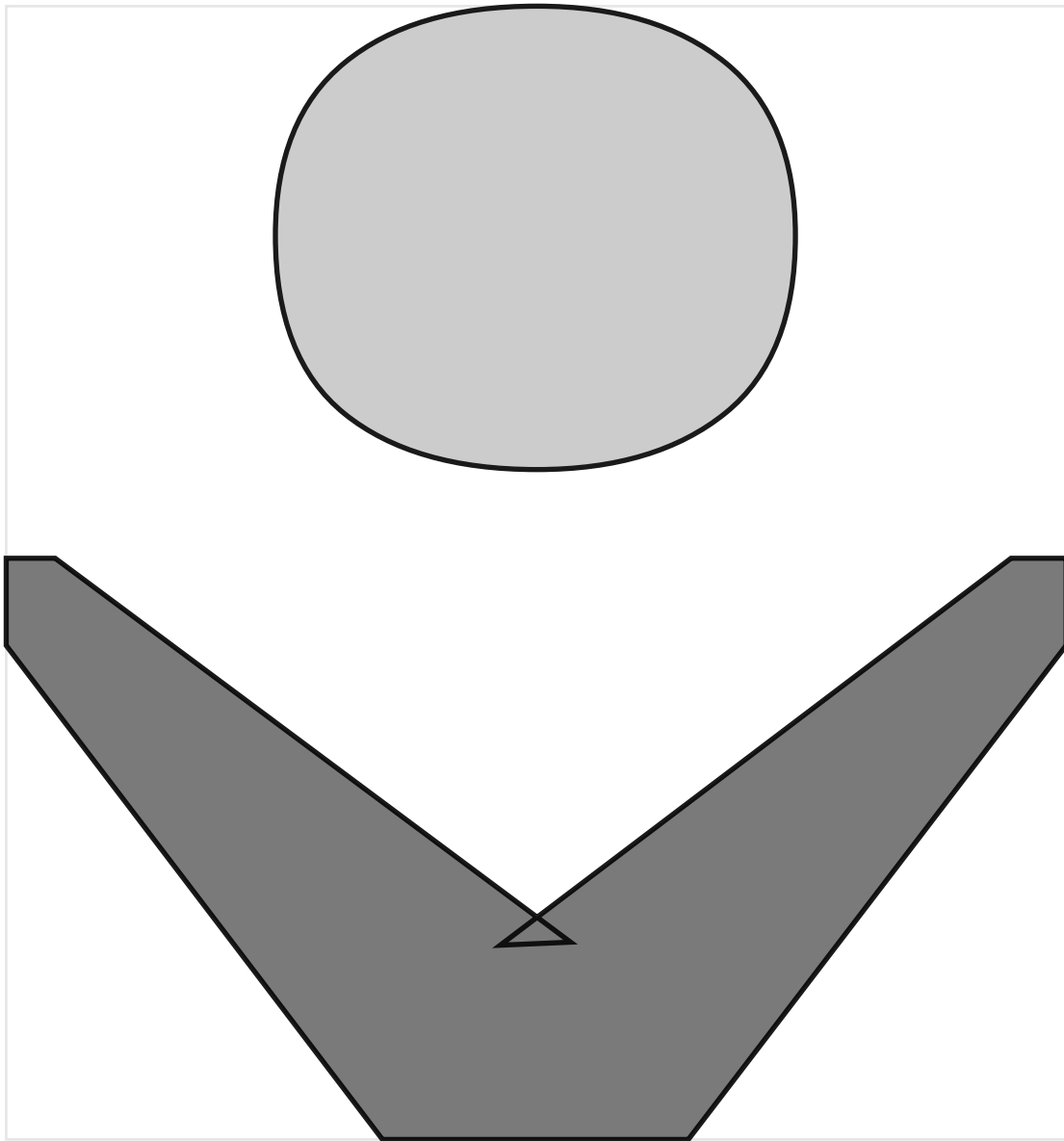


underweight

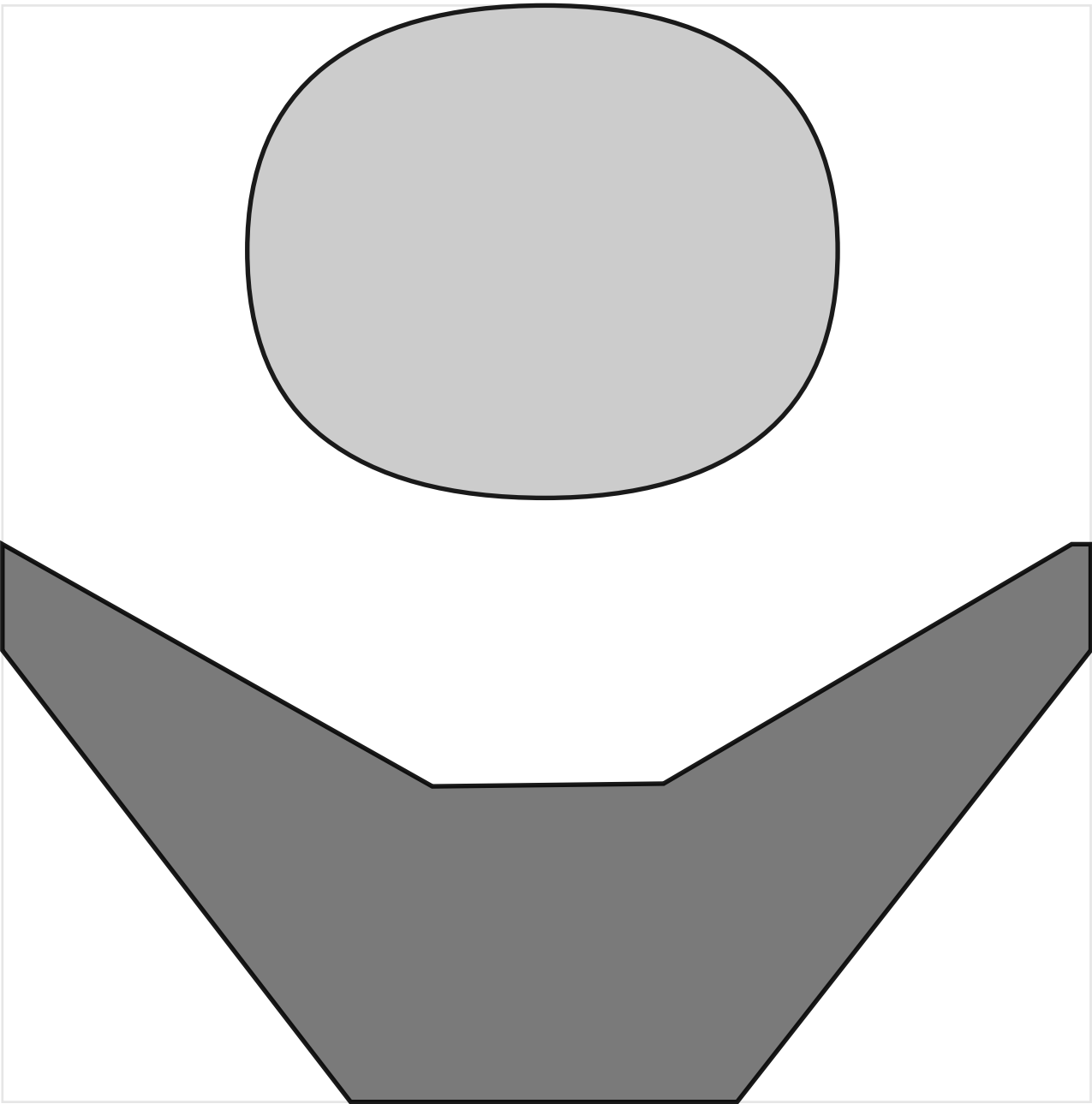
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

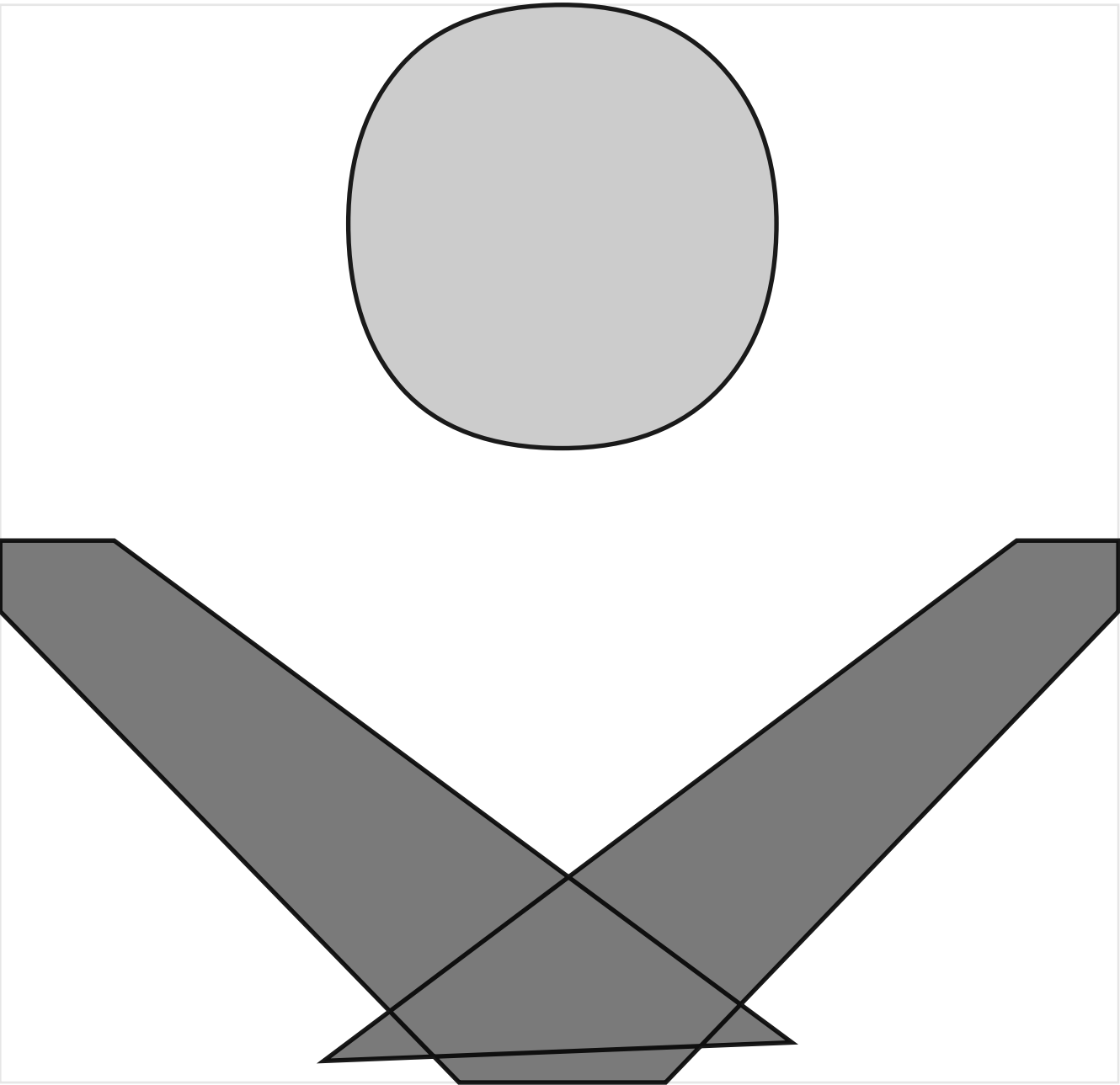


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

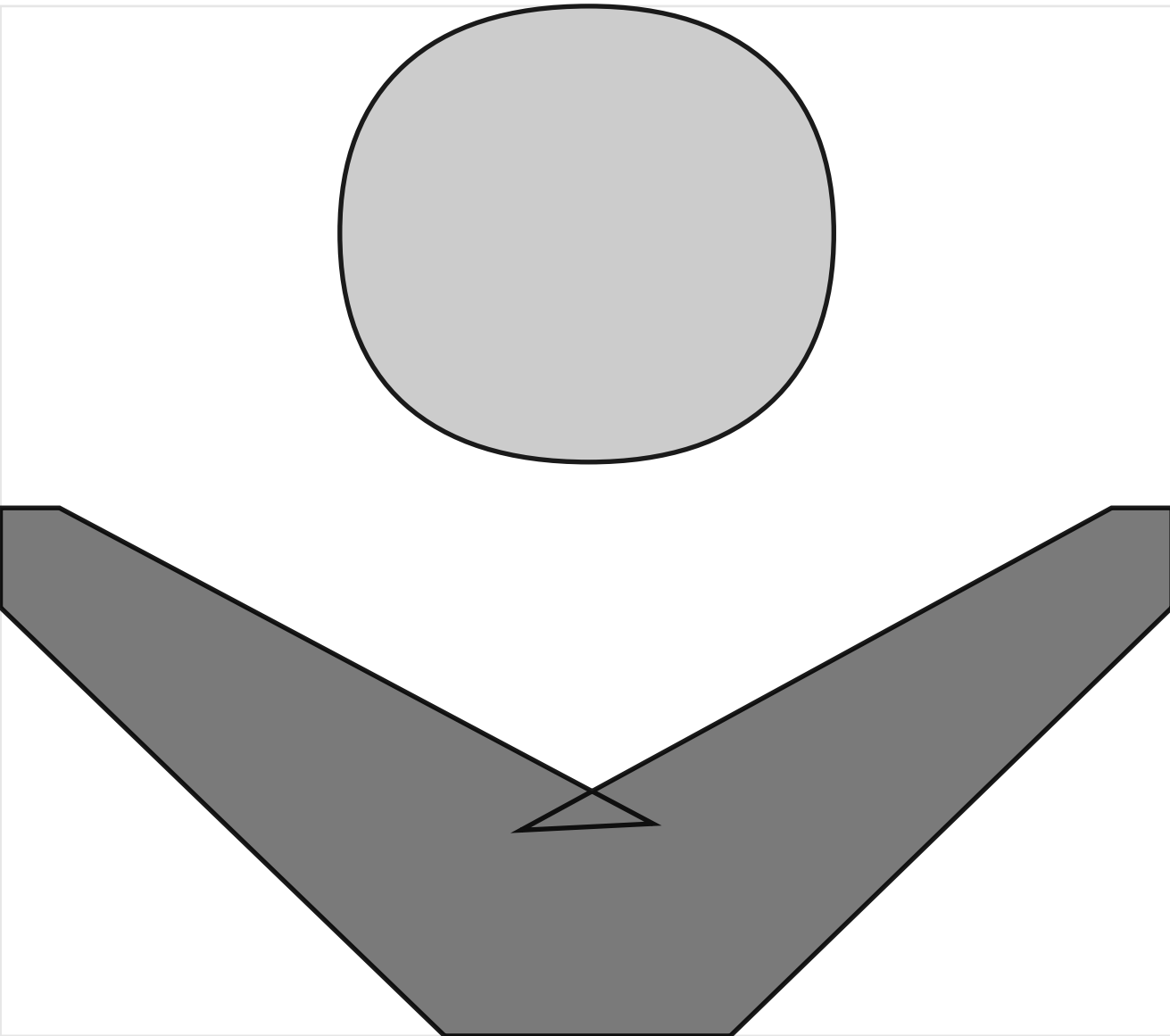


underweight

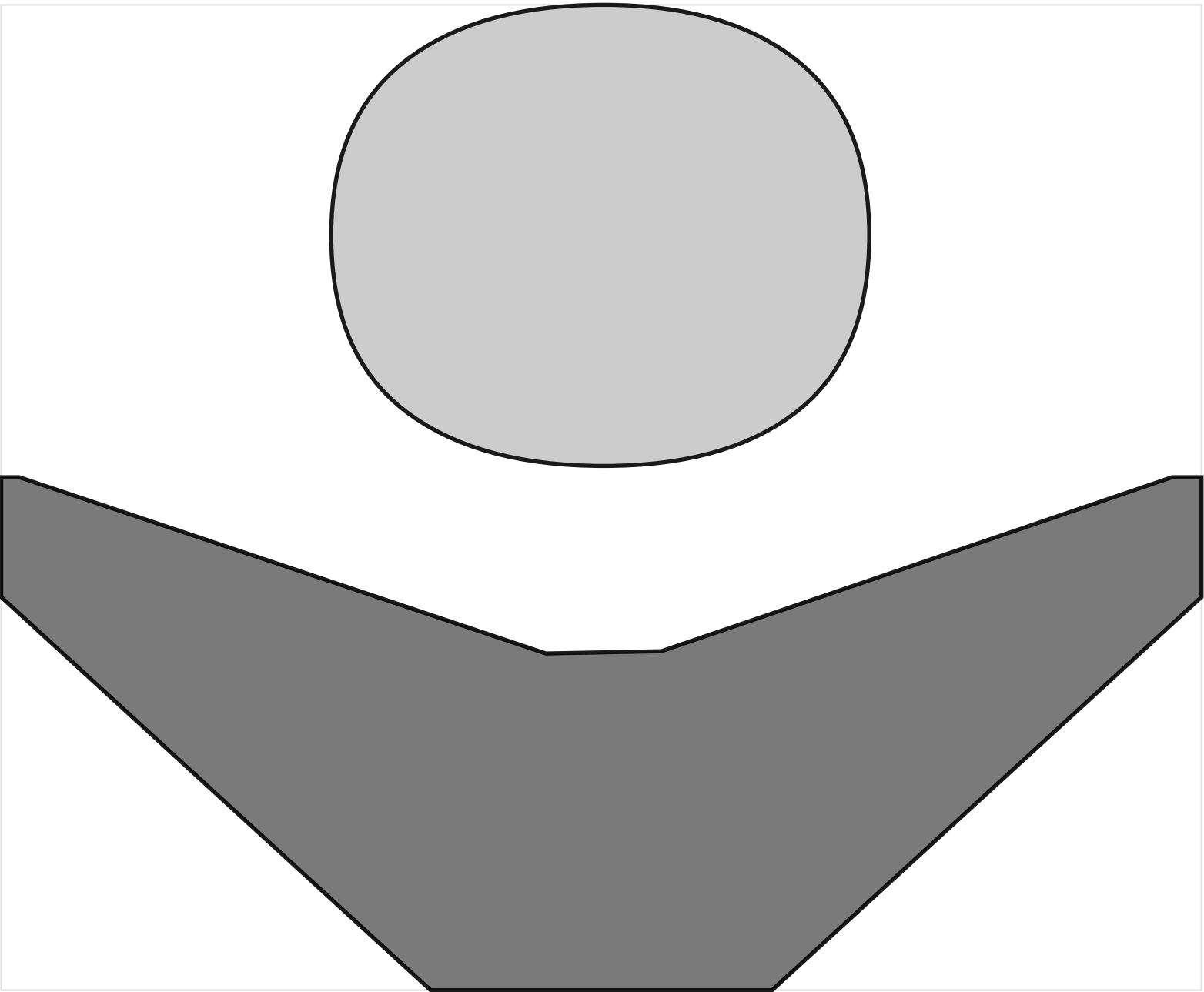
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

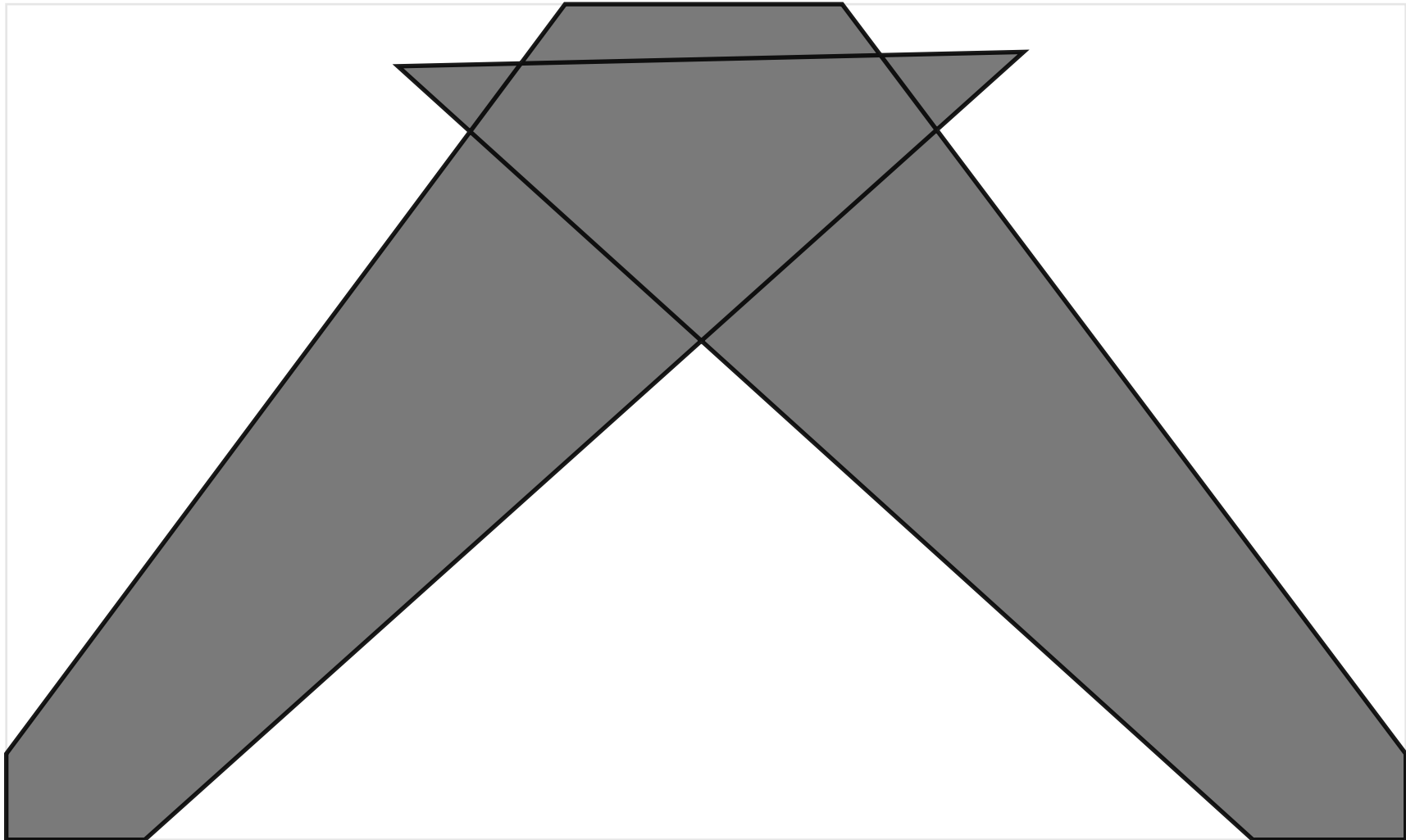


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

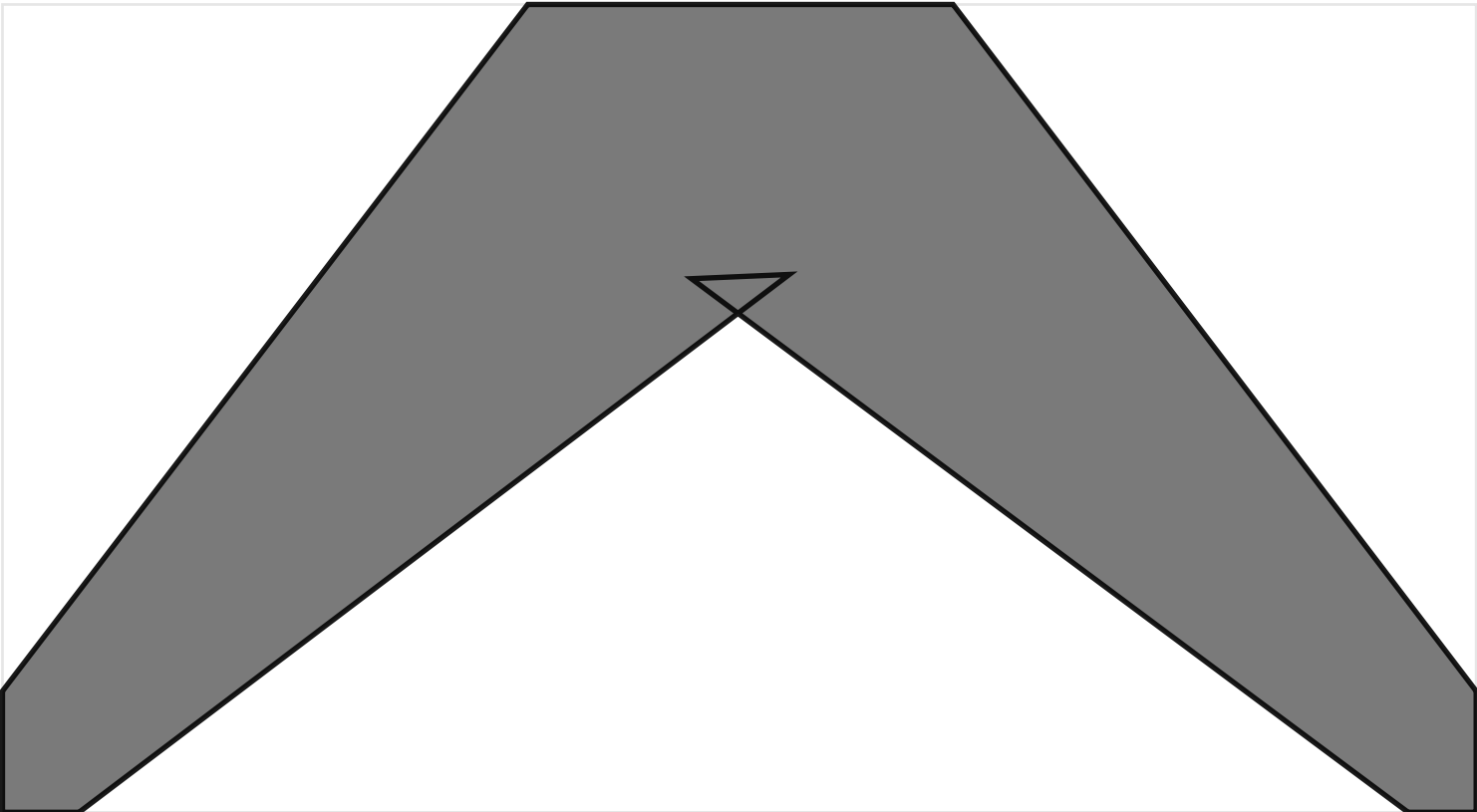


underweight

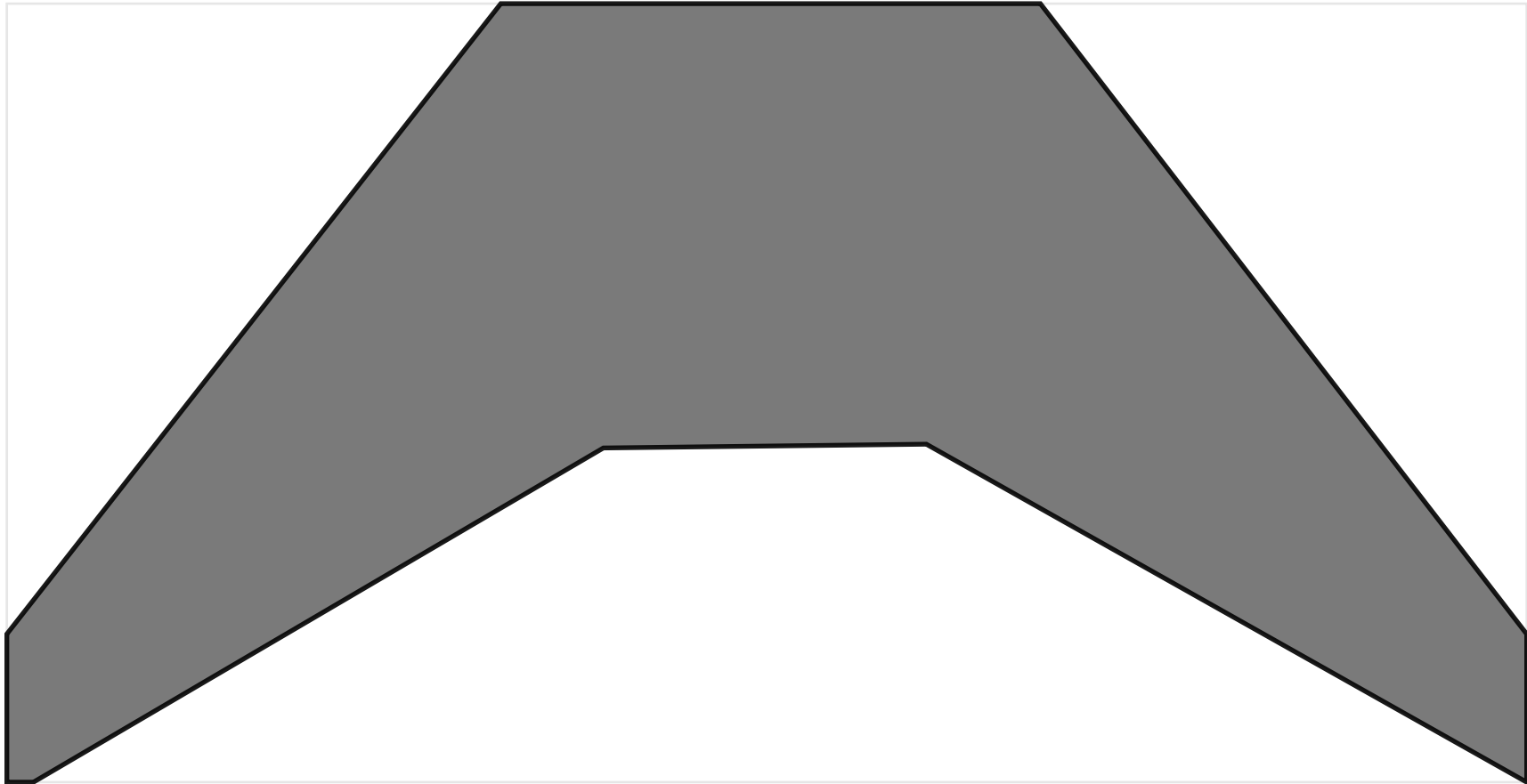
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

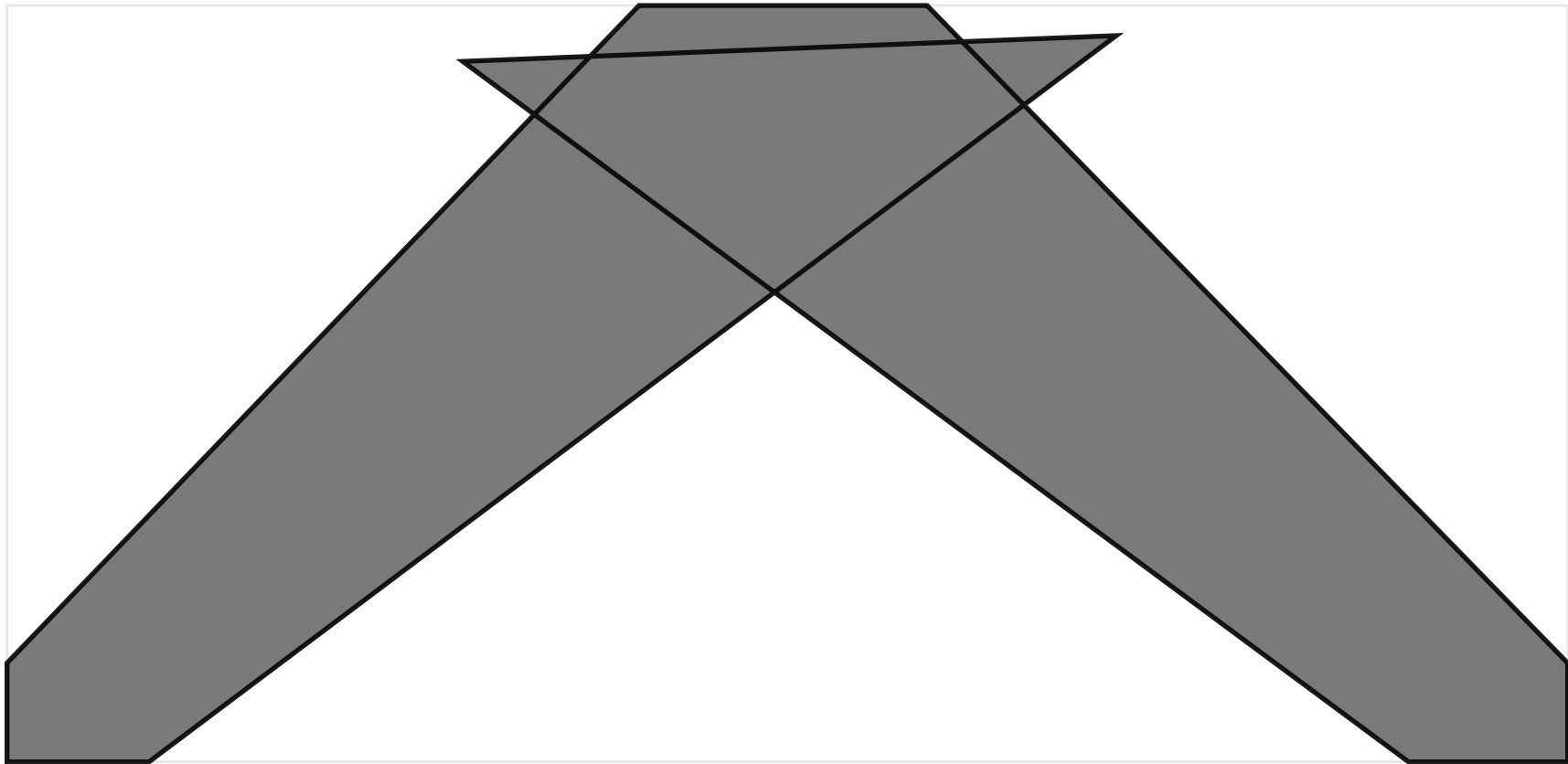


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

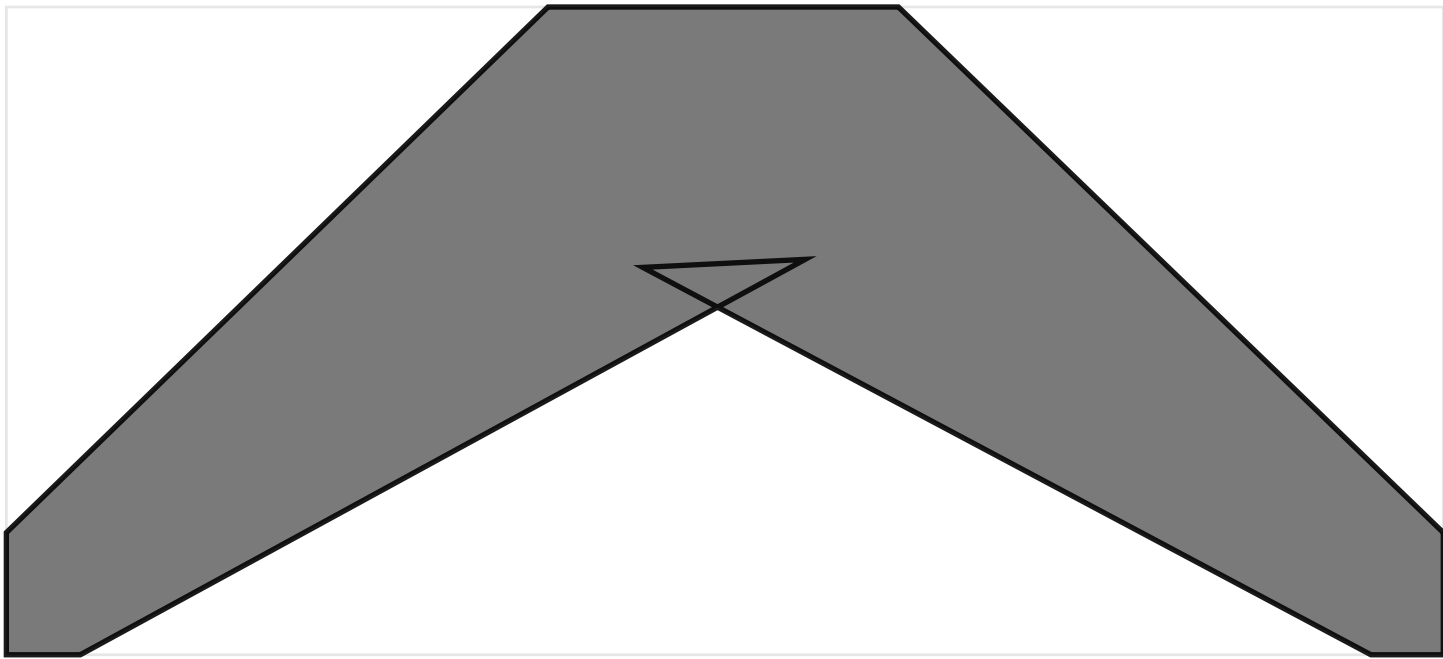


underweight

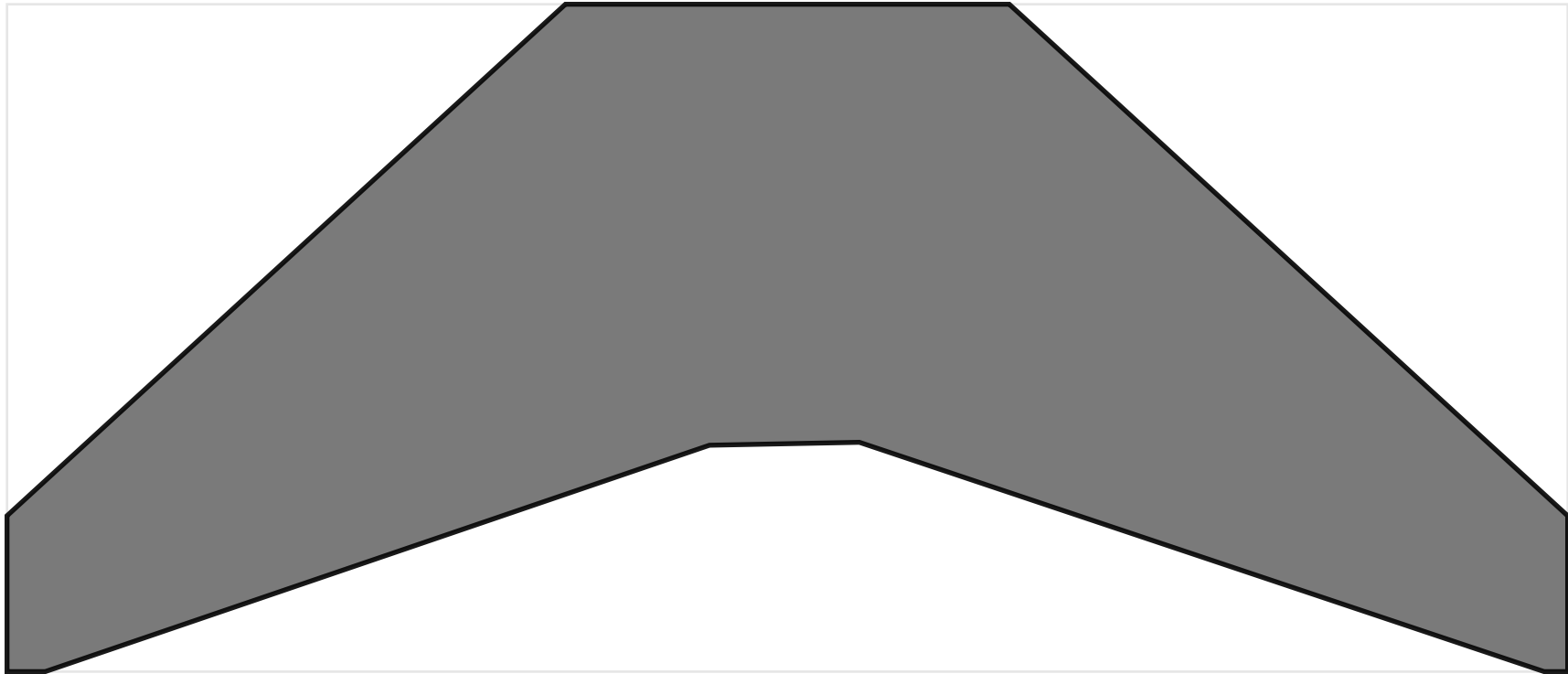
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

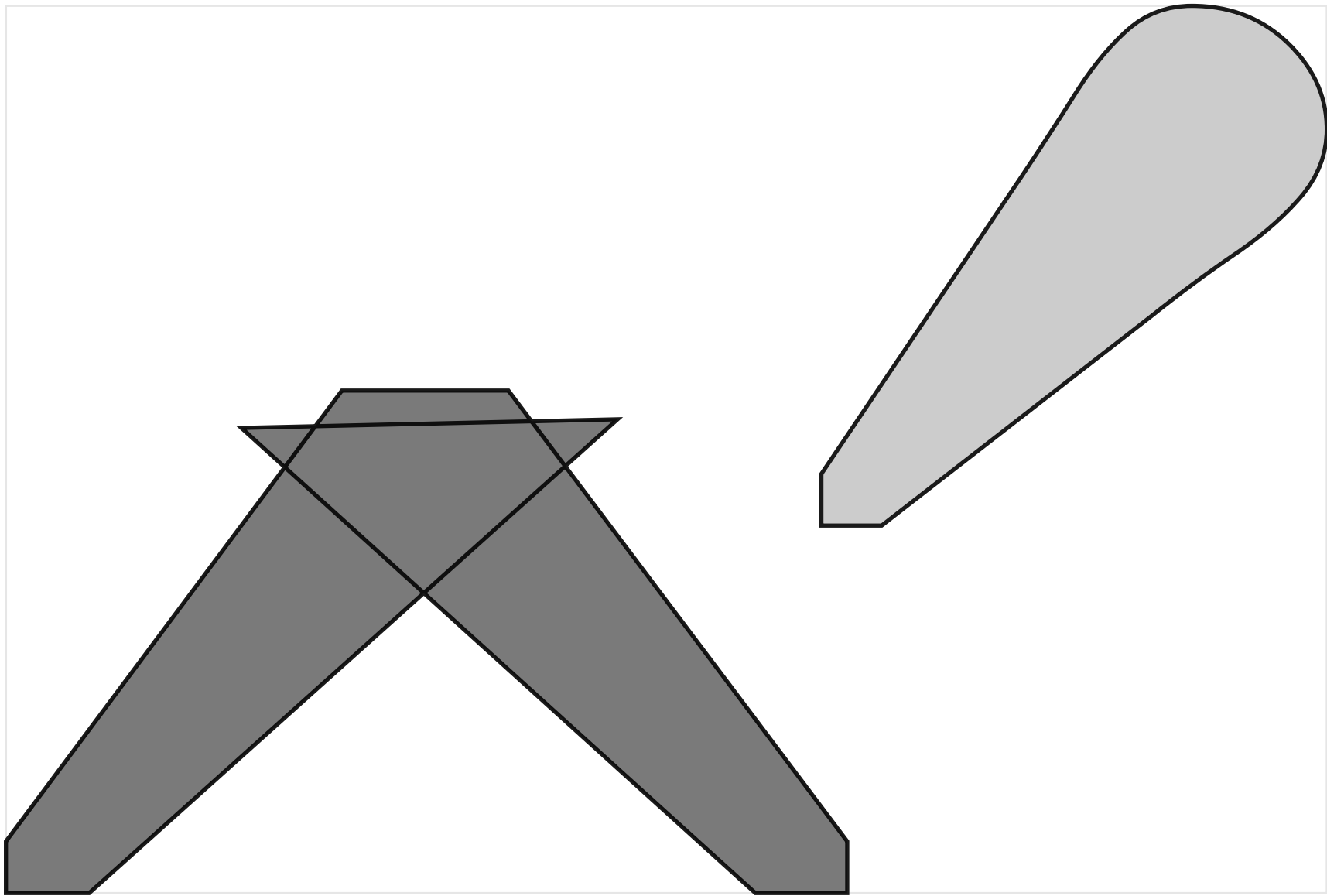


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

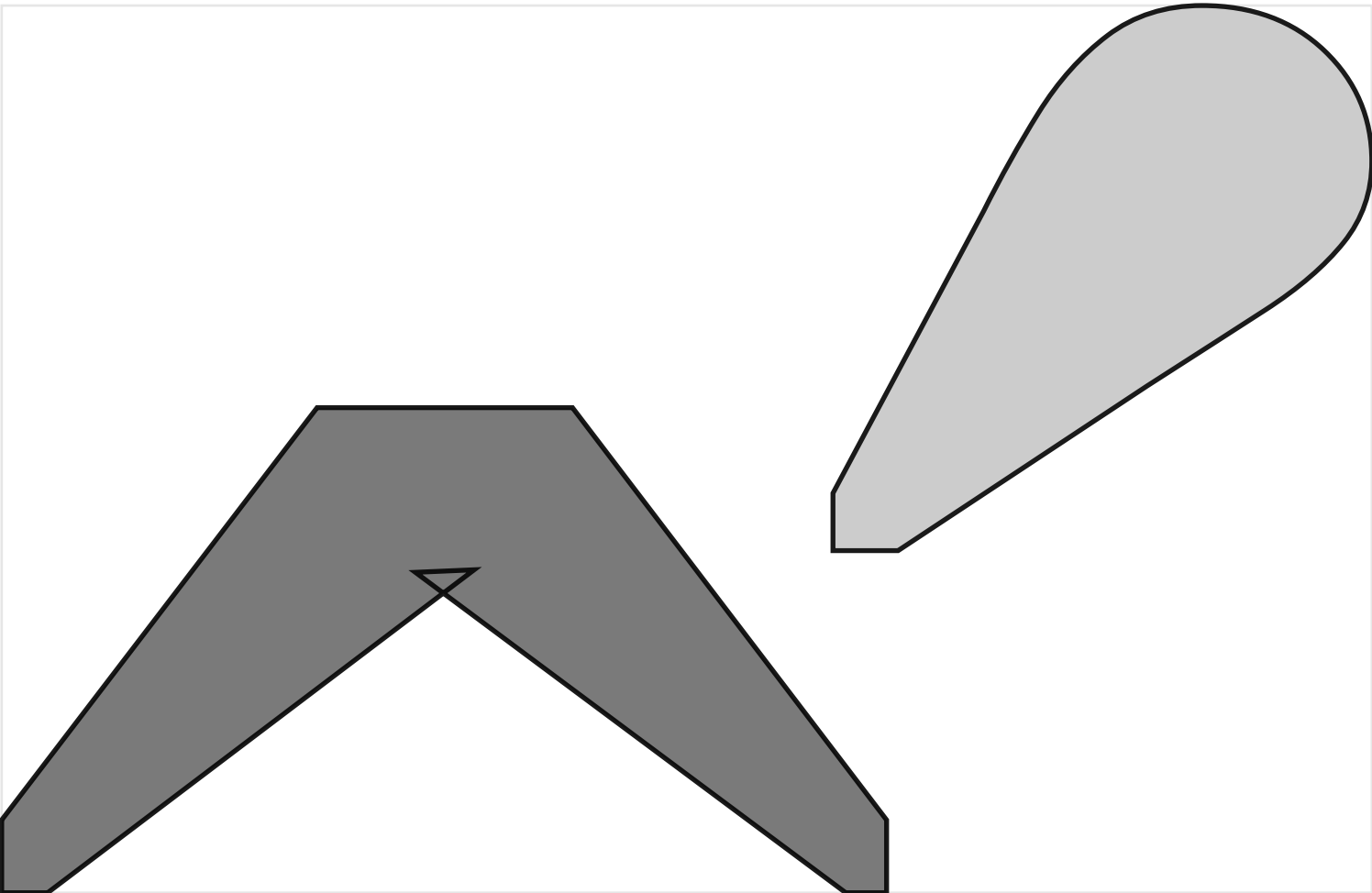


underweight

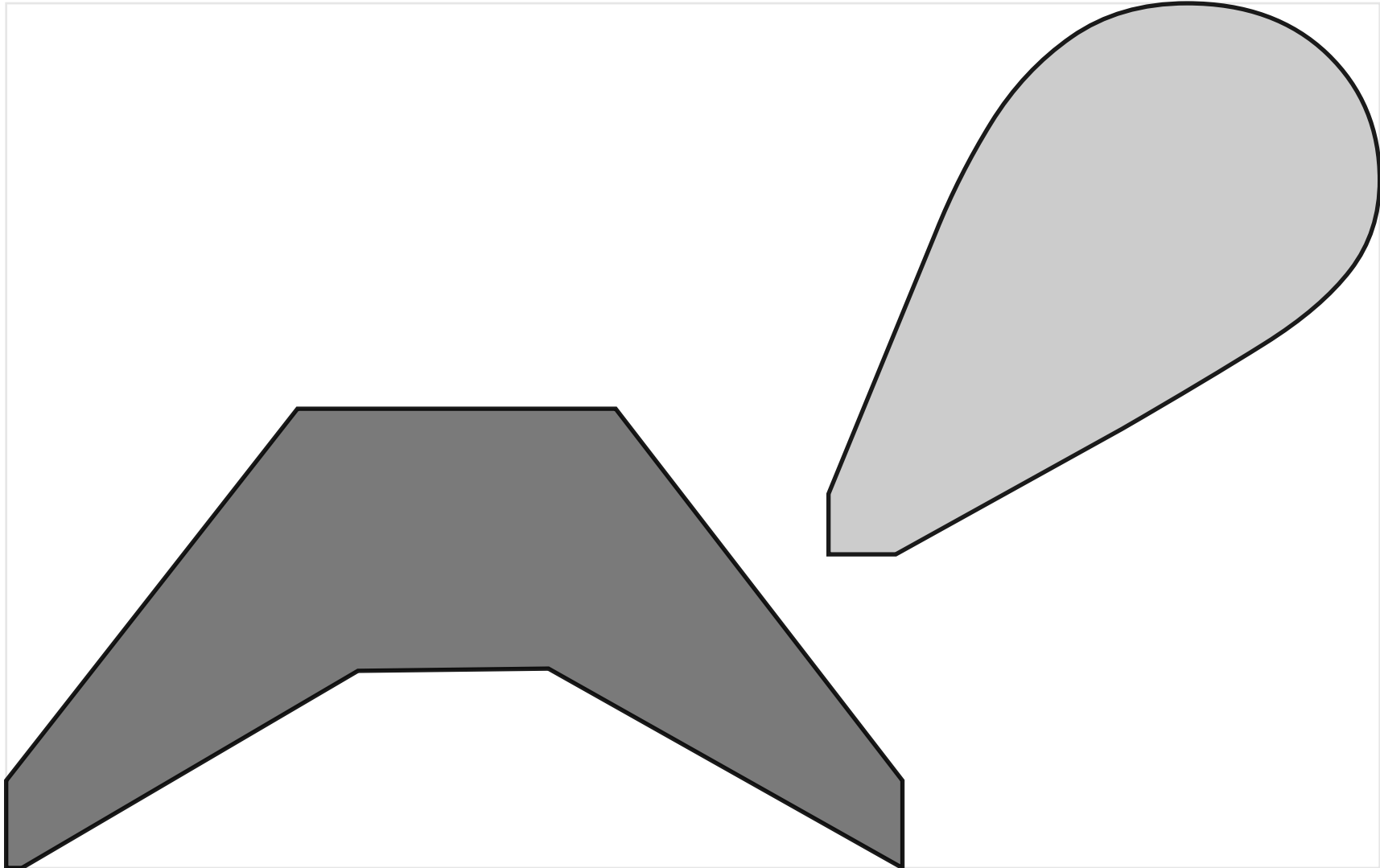
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation



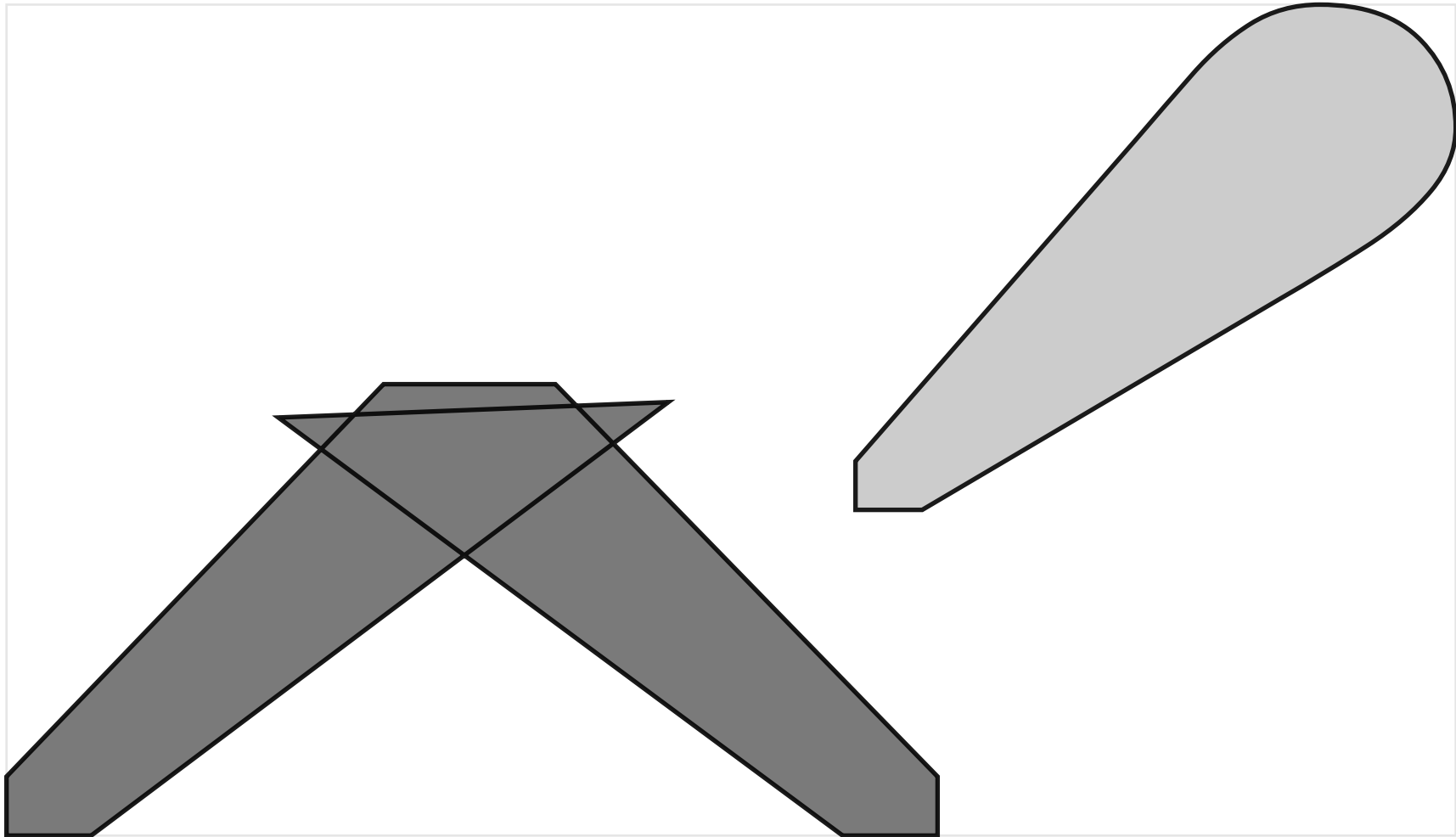
'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'



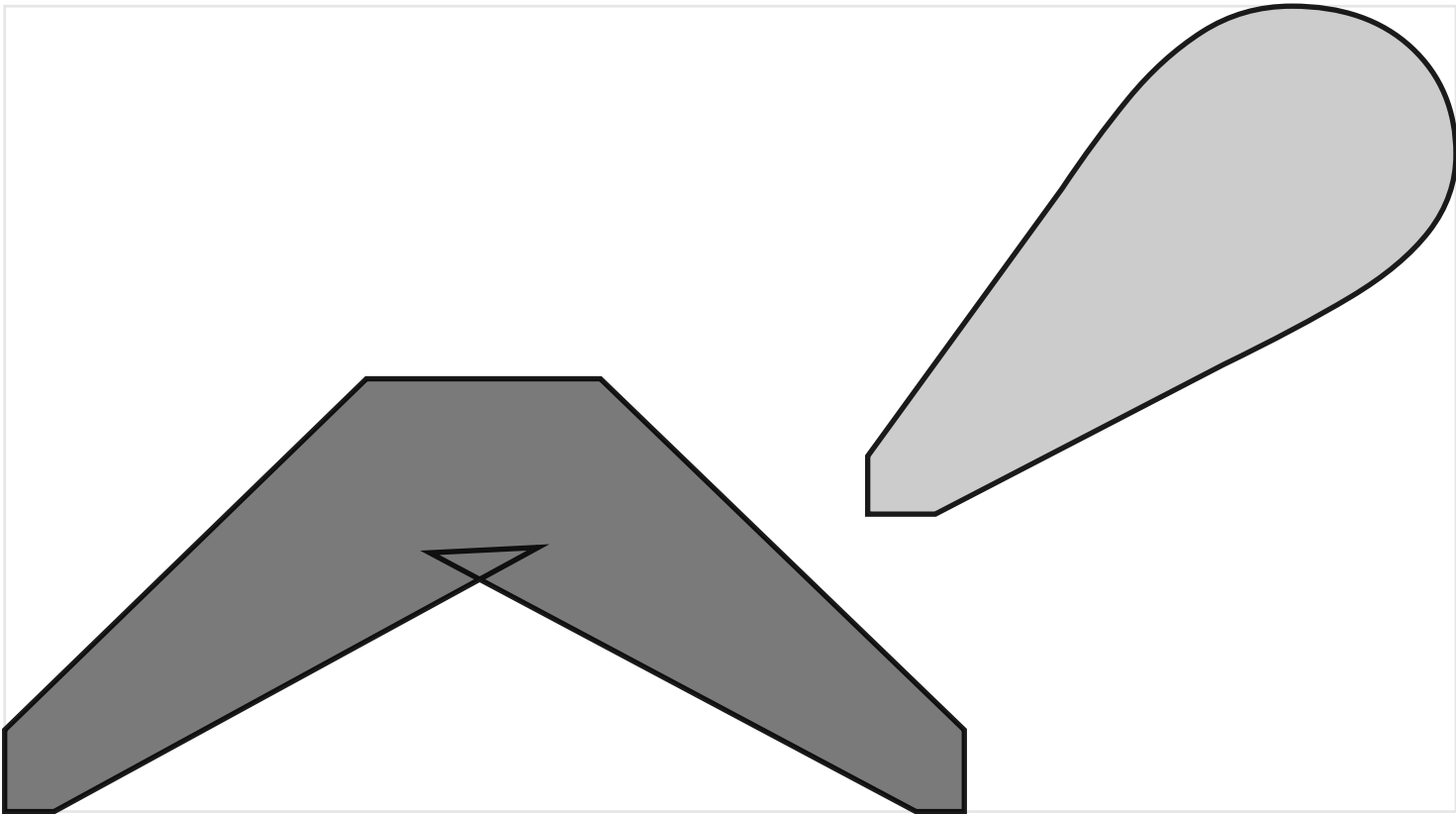


underweight

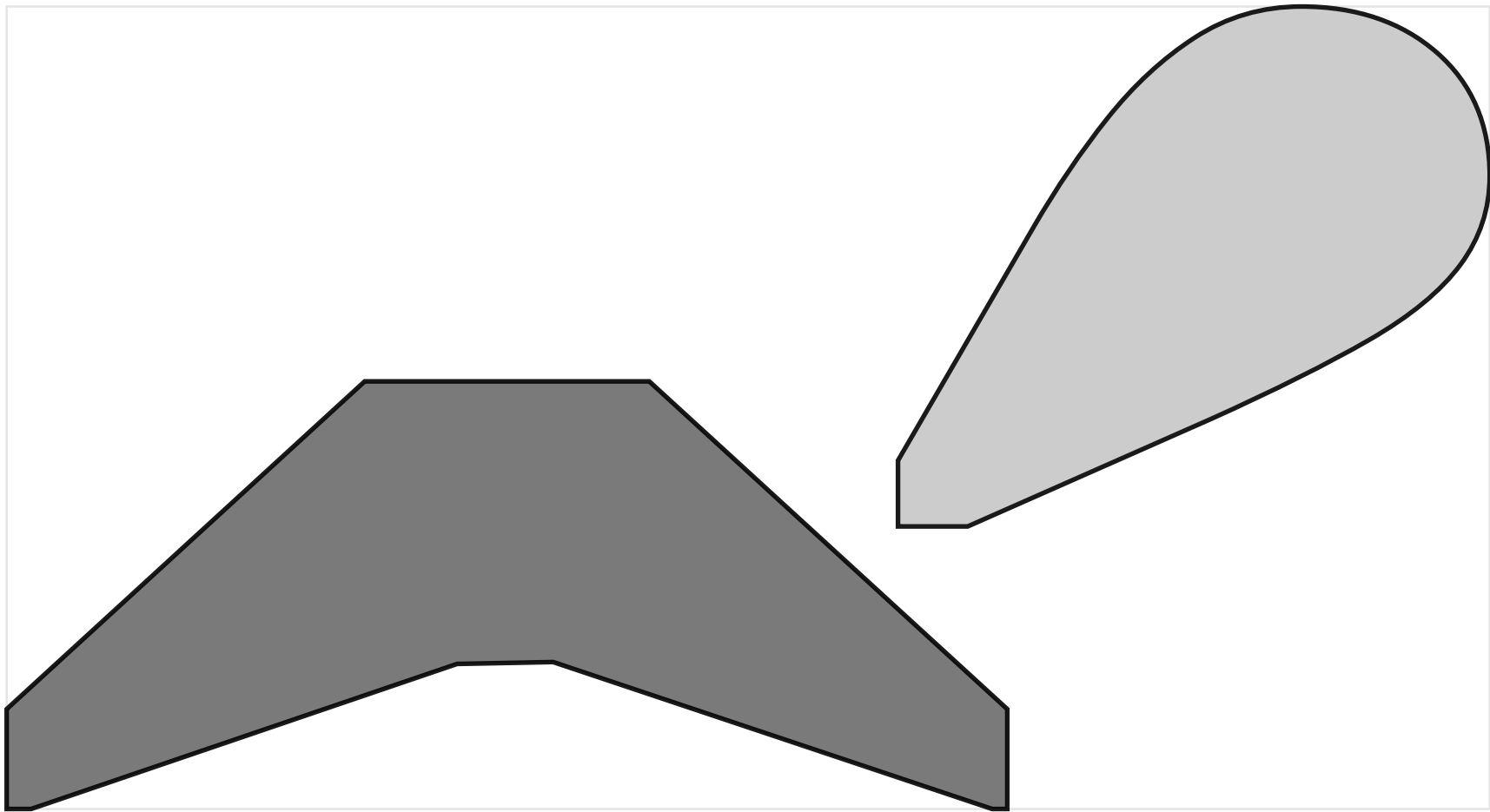
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

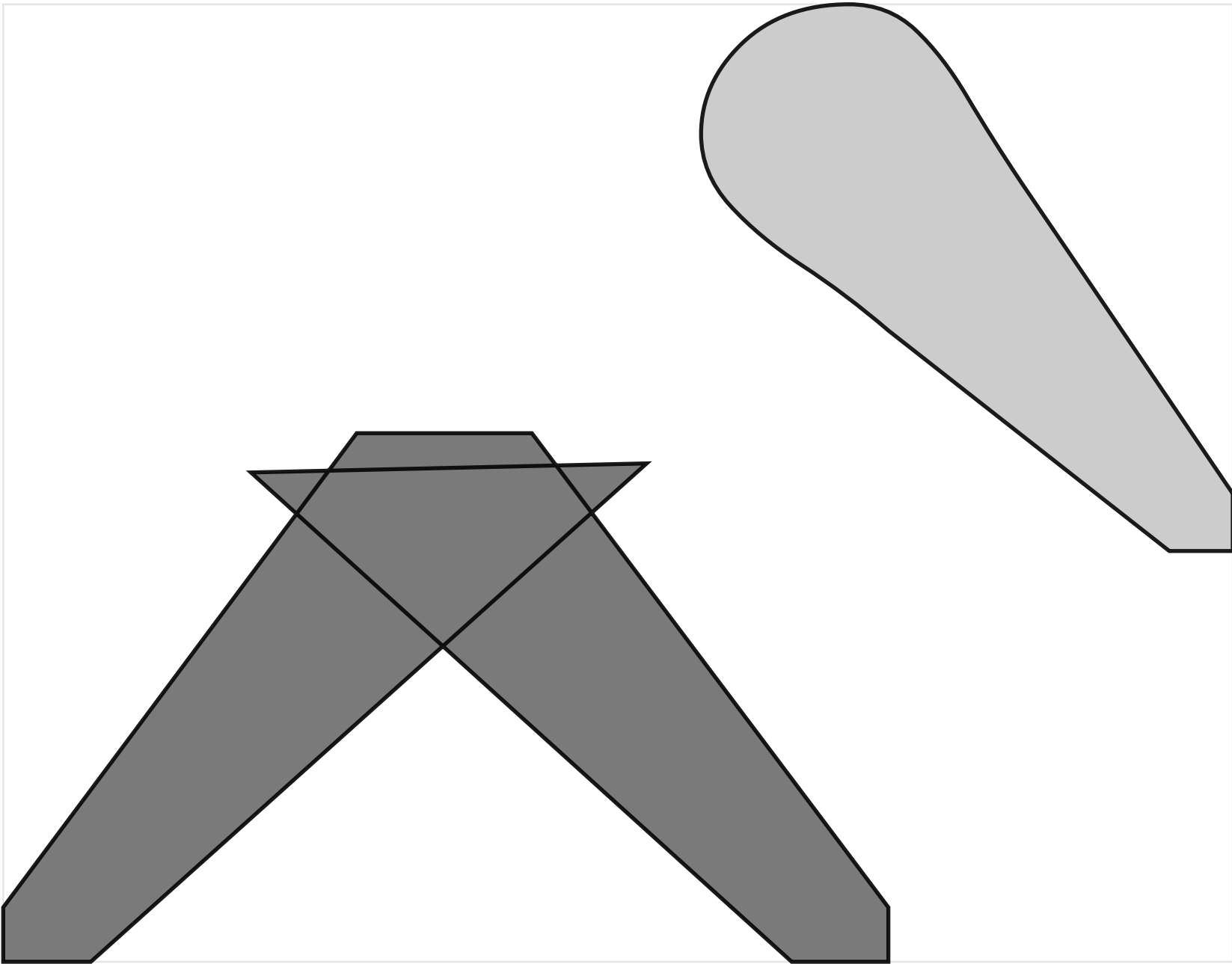


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

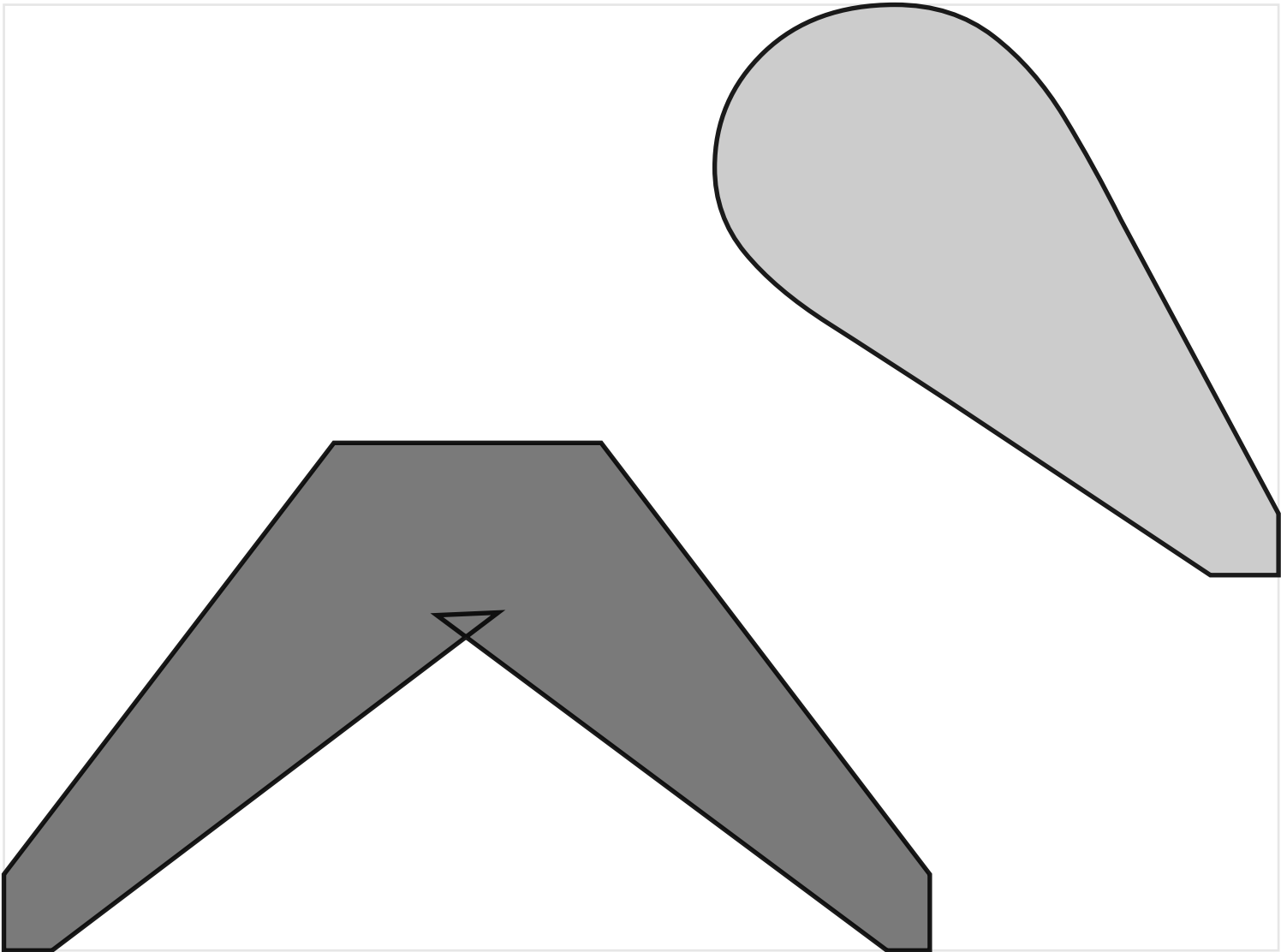


underweight

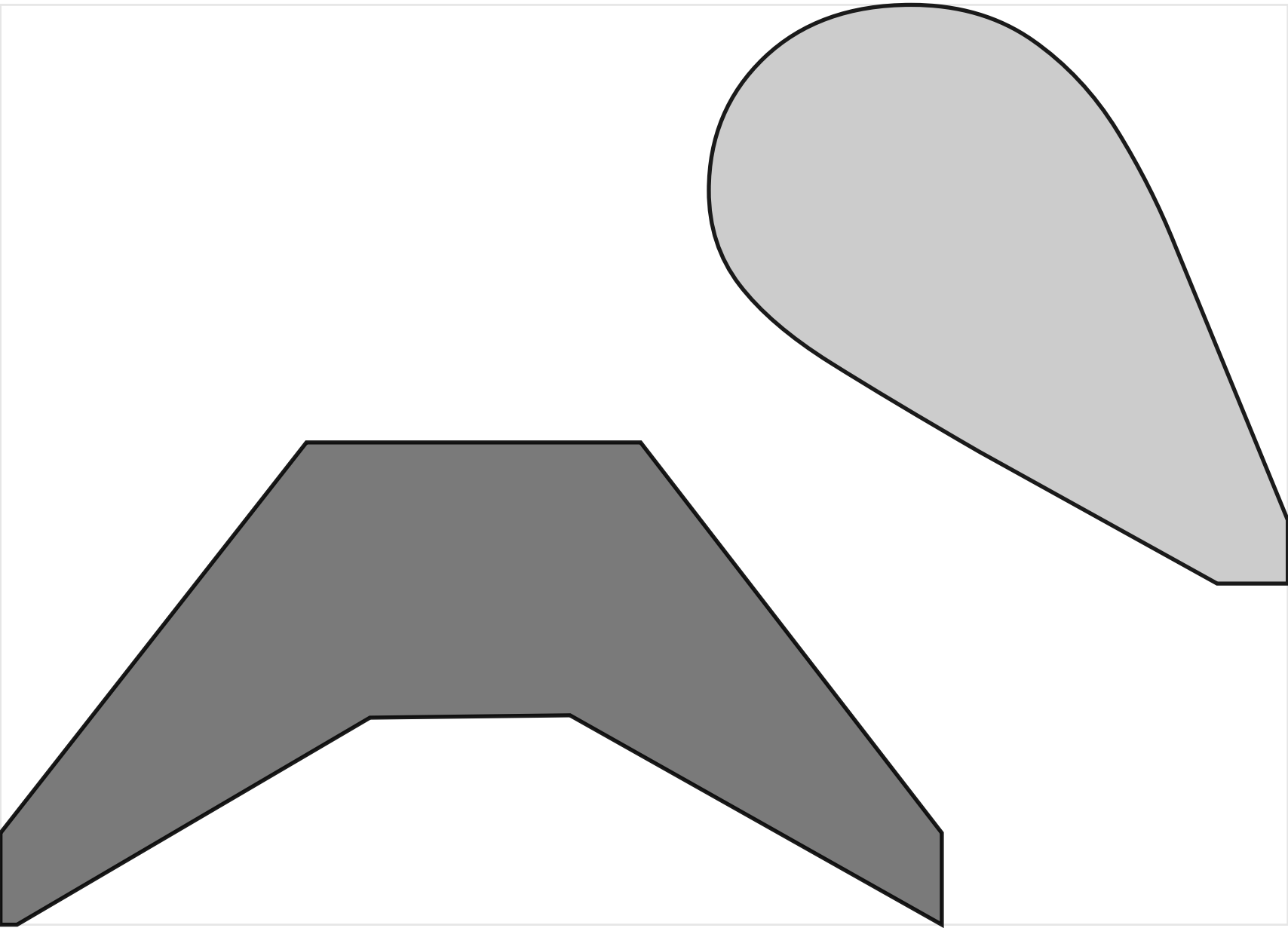
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

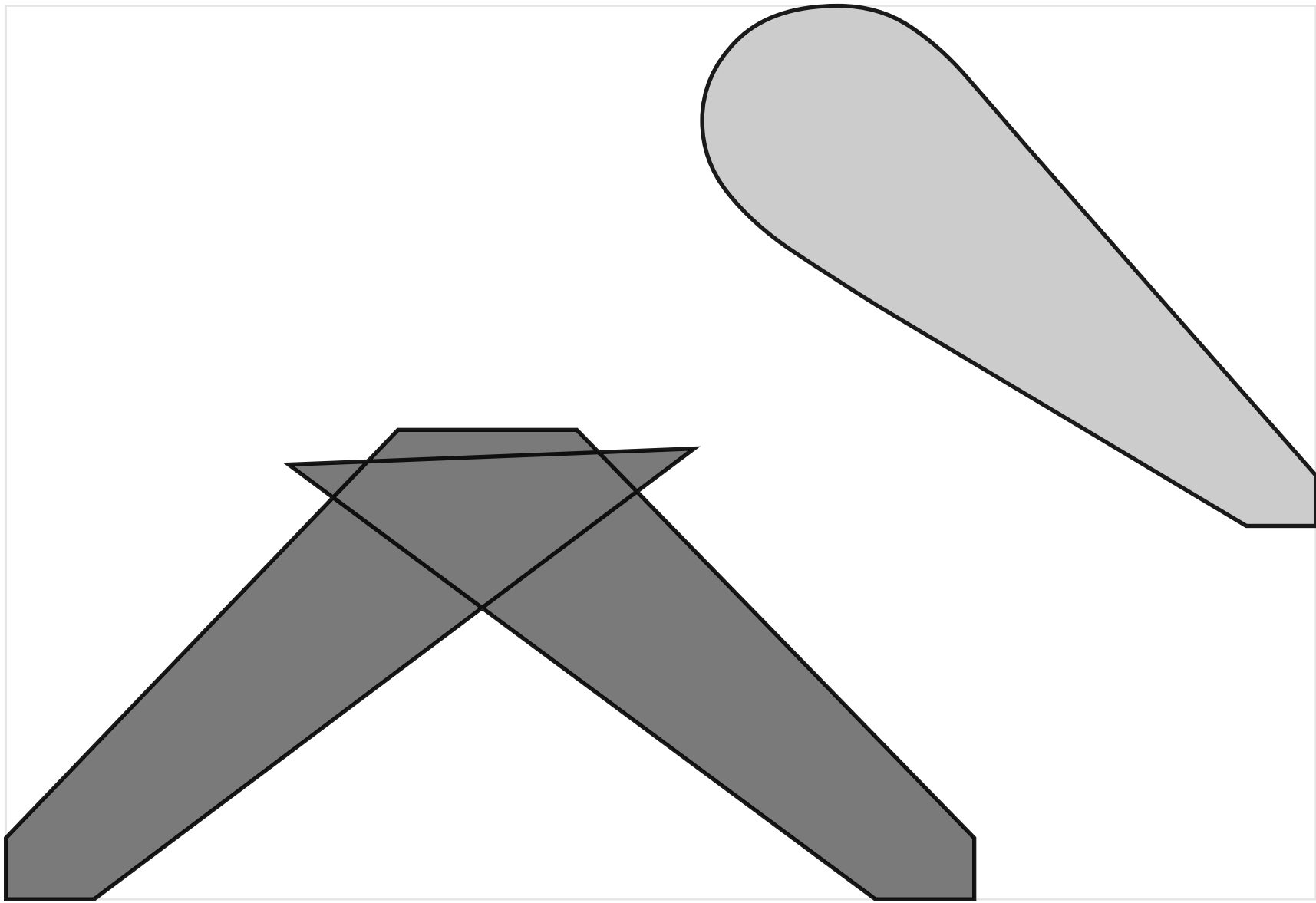


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

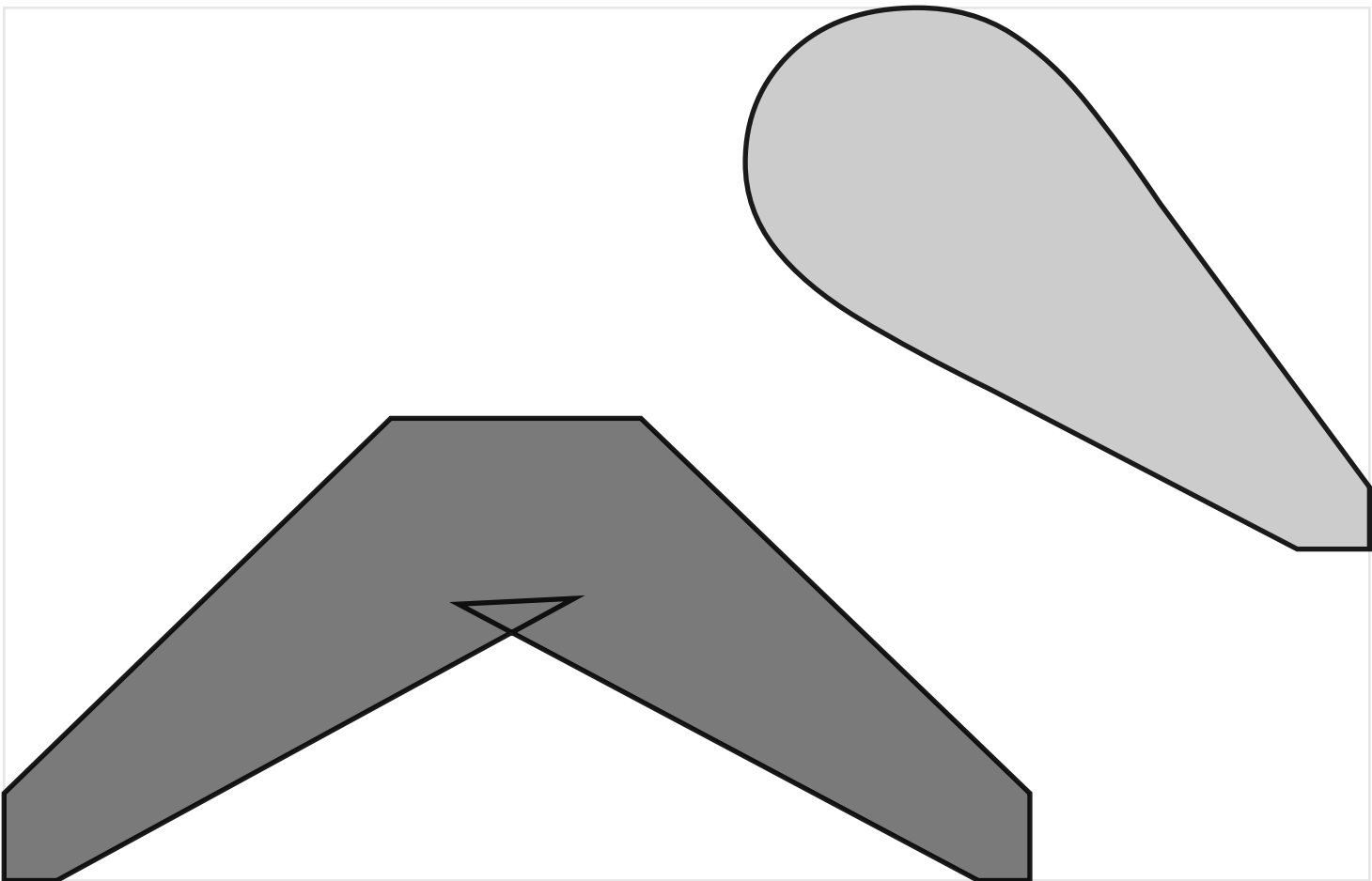


underweight

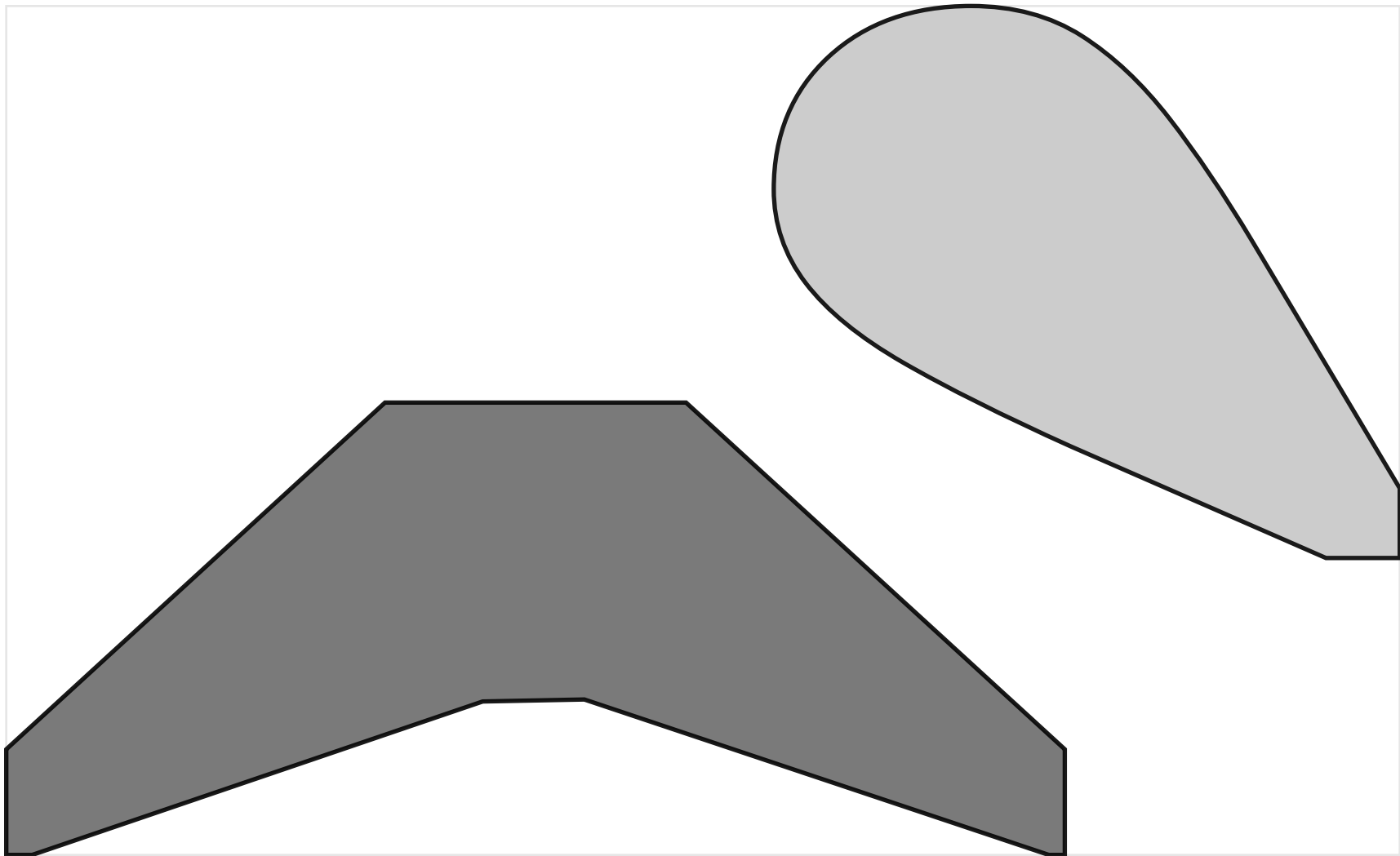
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

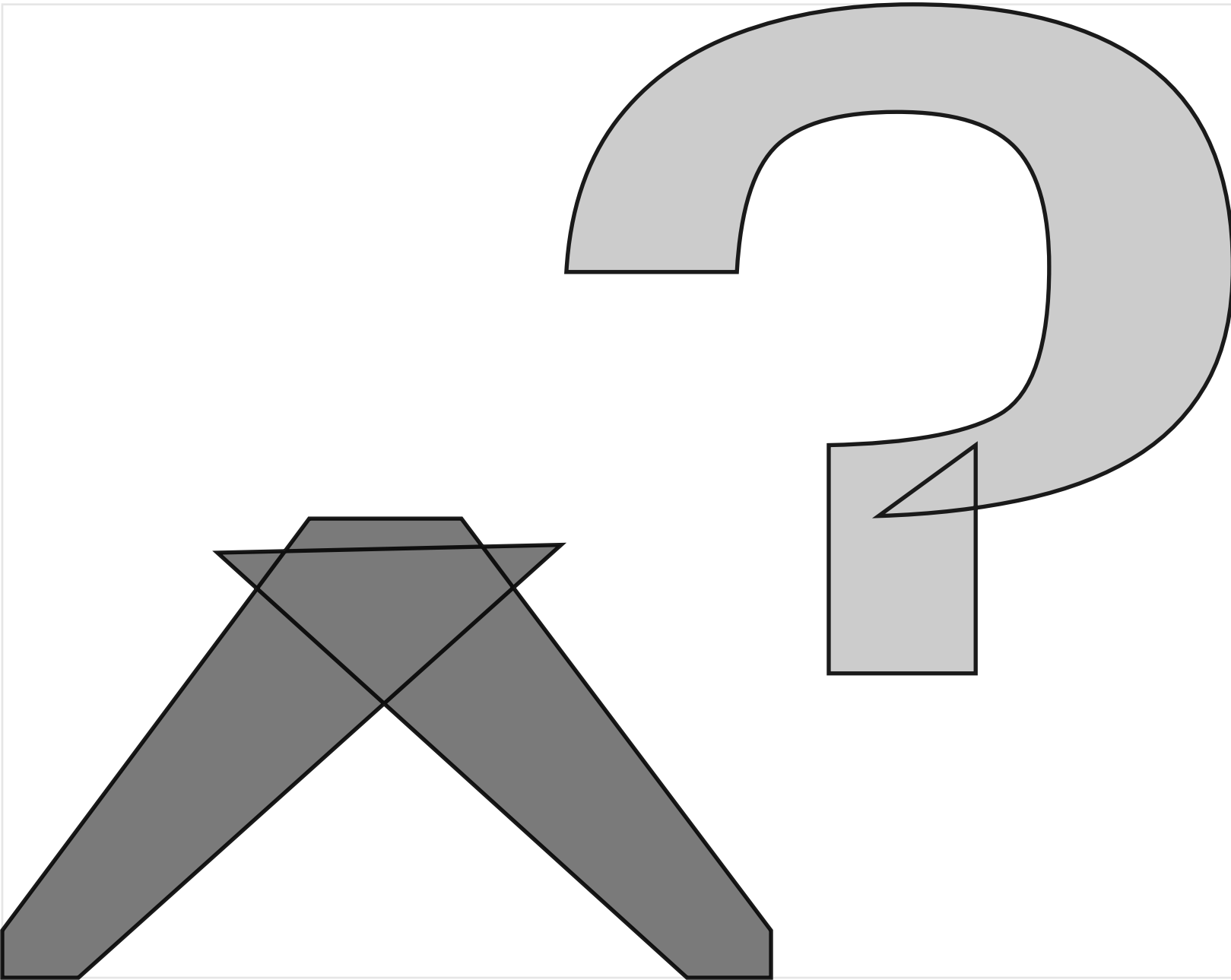


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

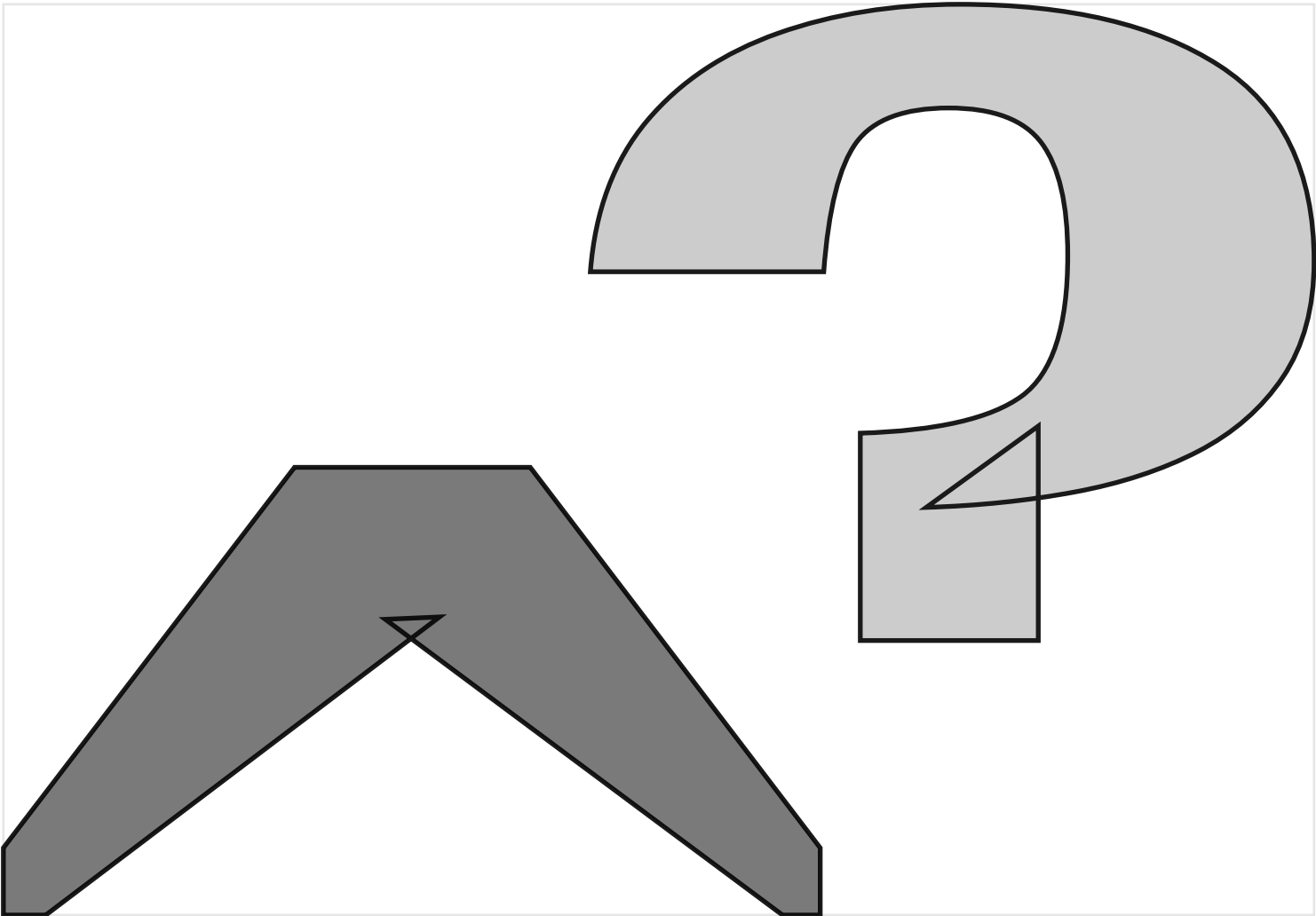


underweight

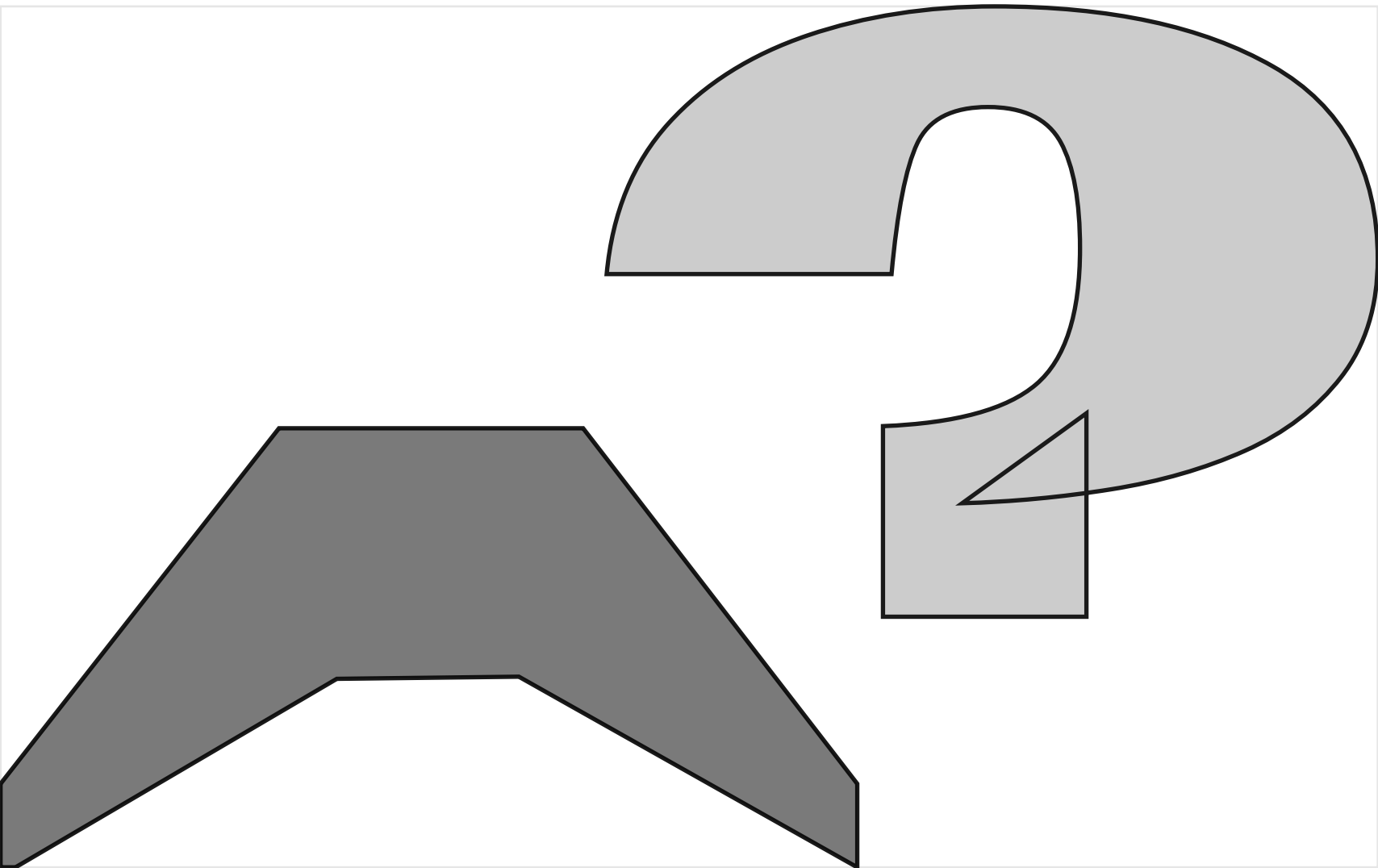
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

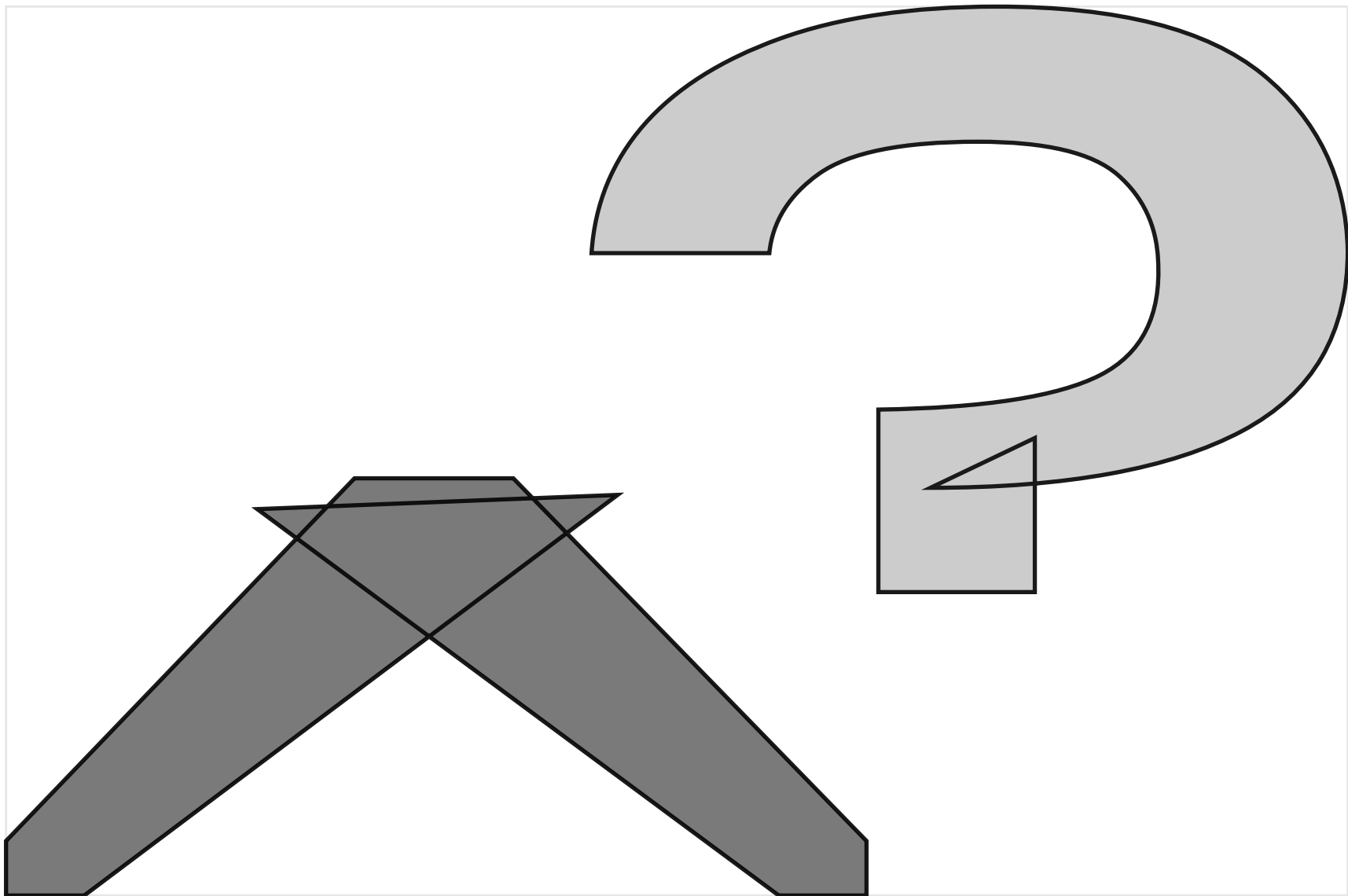


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

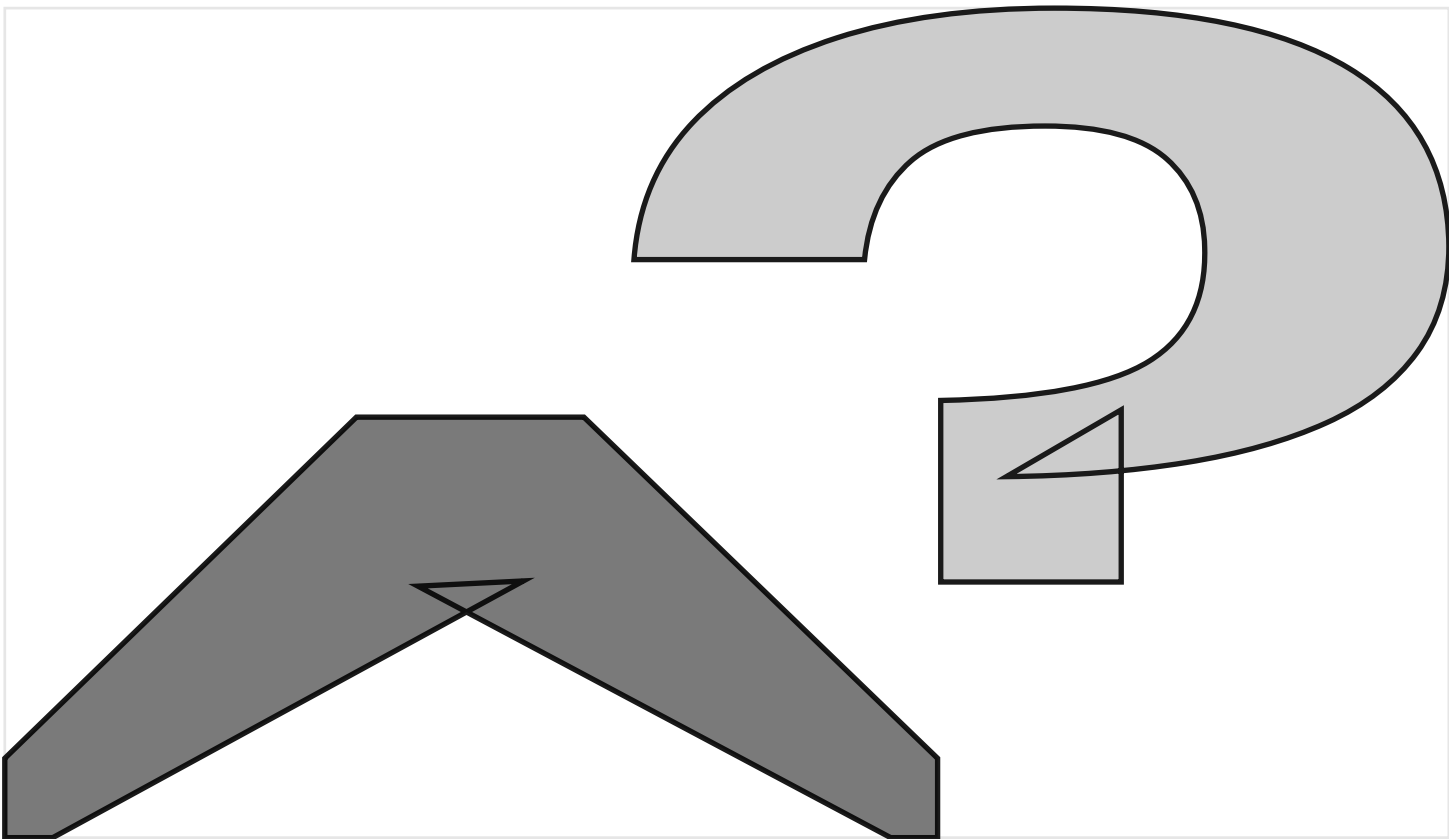


underweight

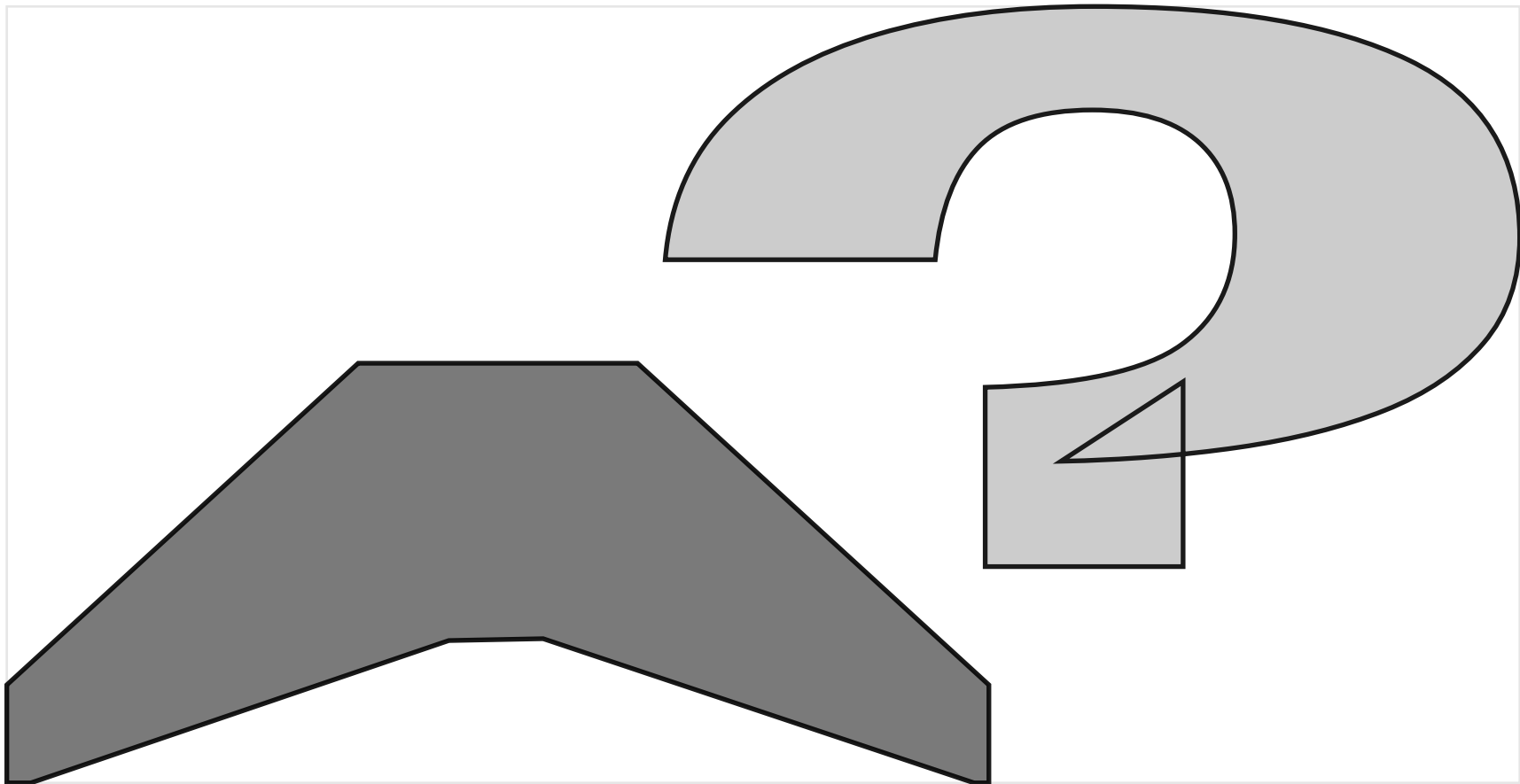
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

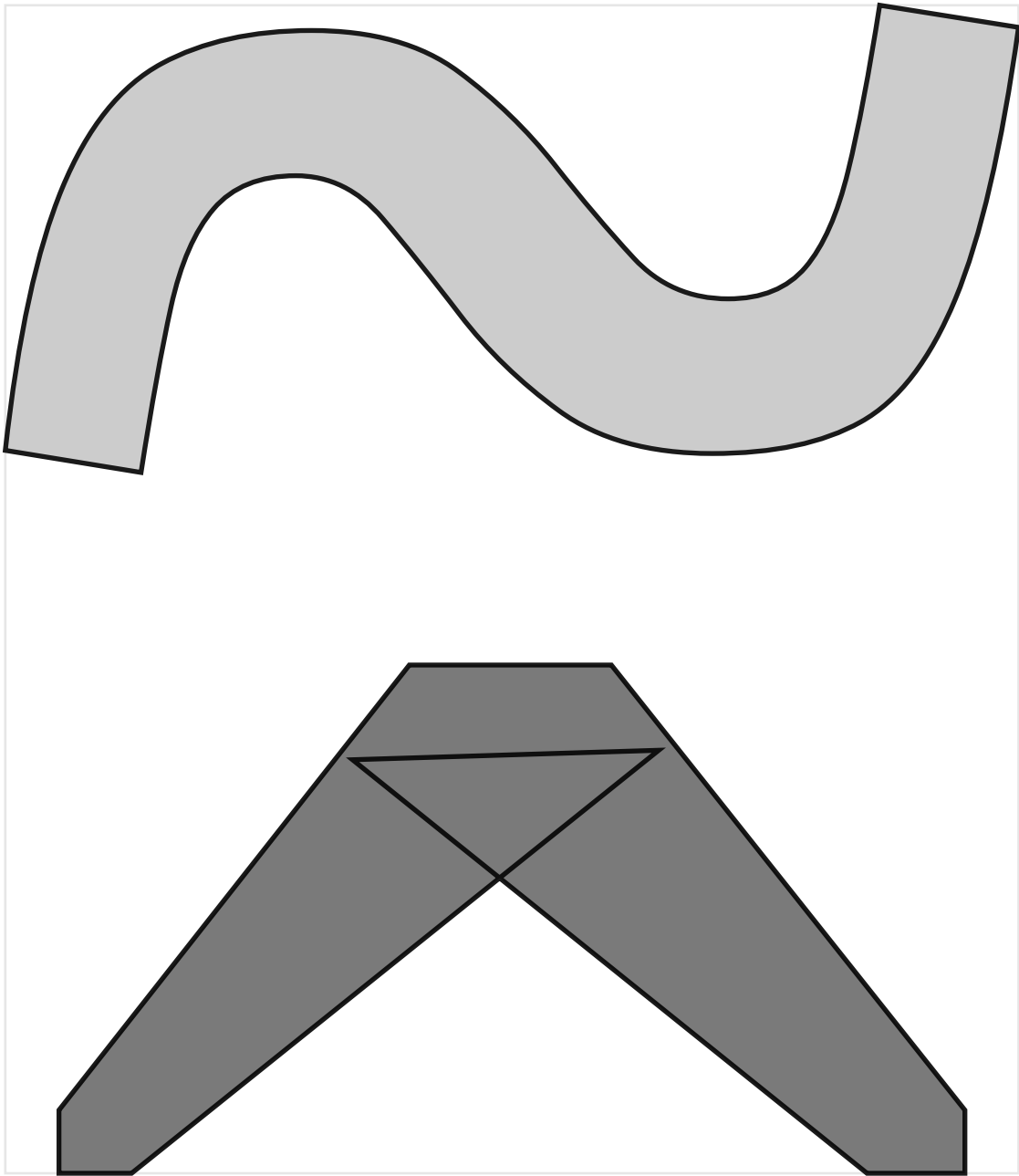


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

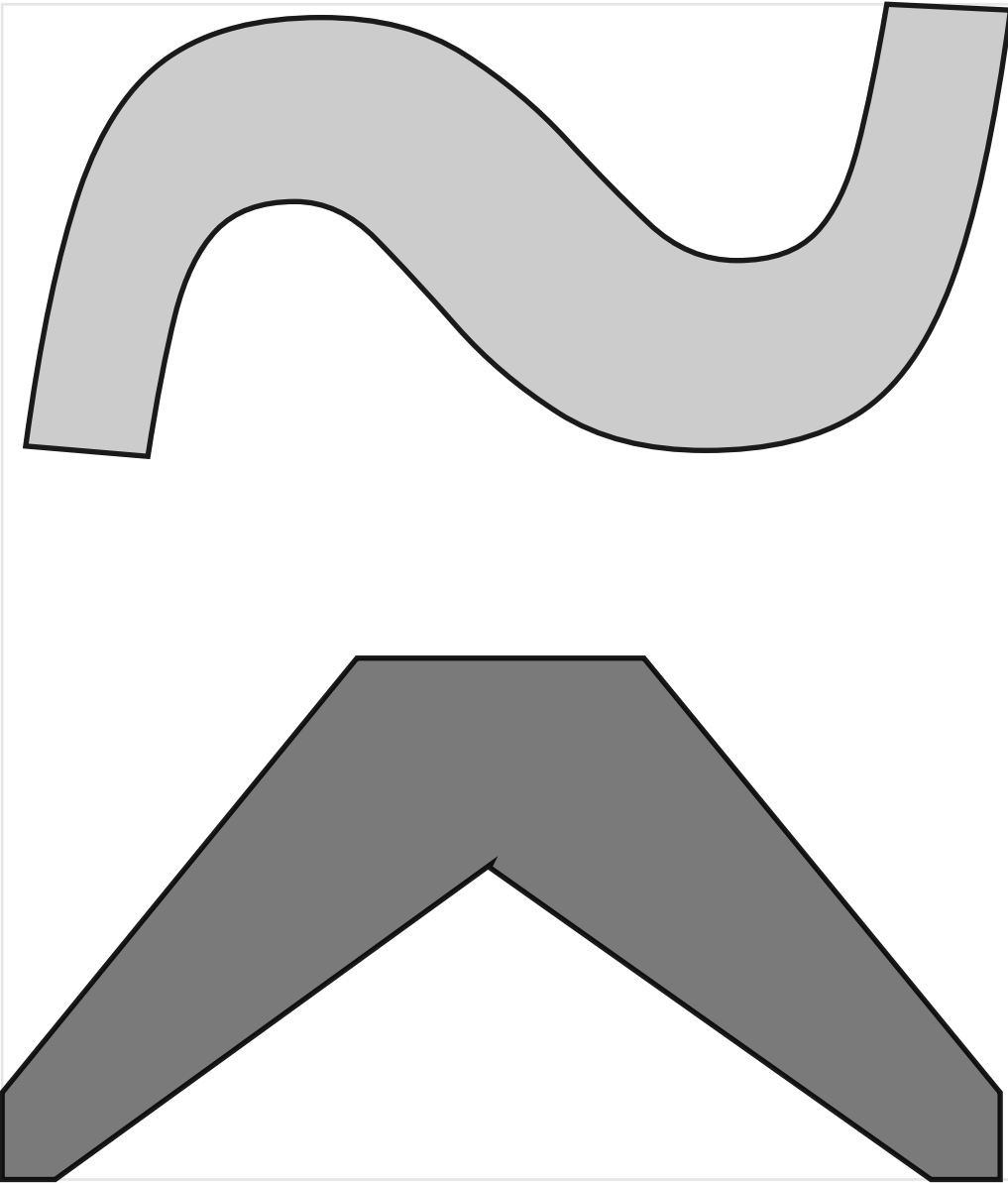


underweight

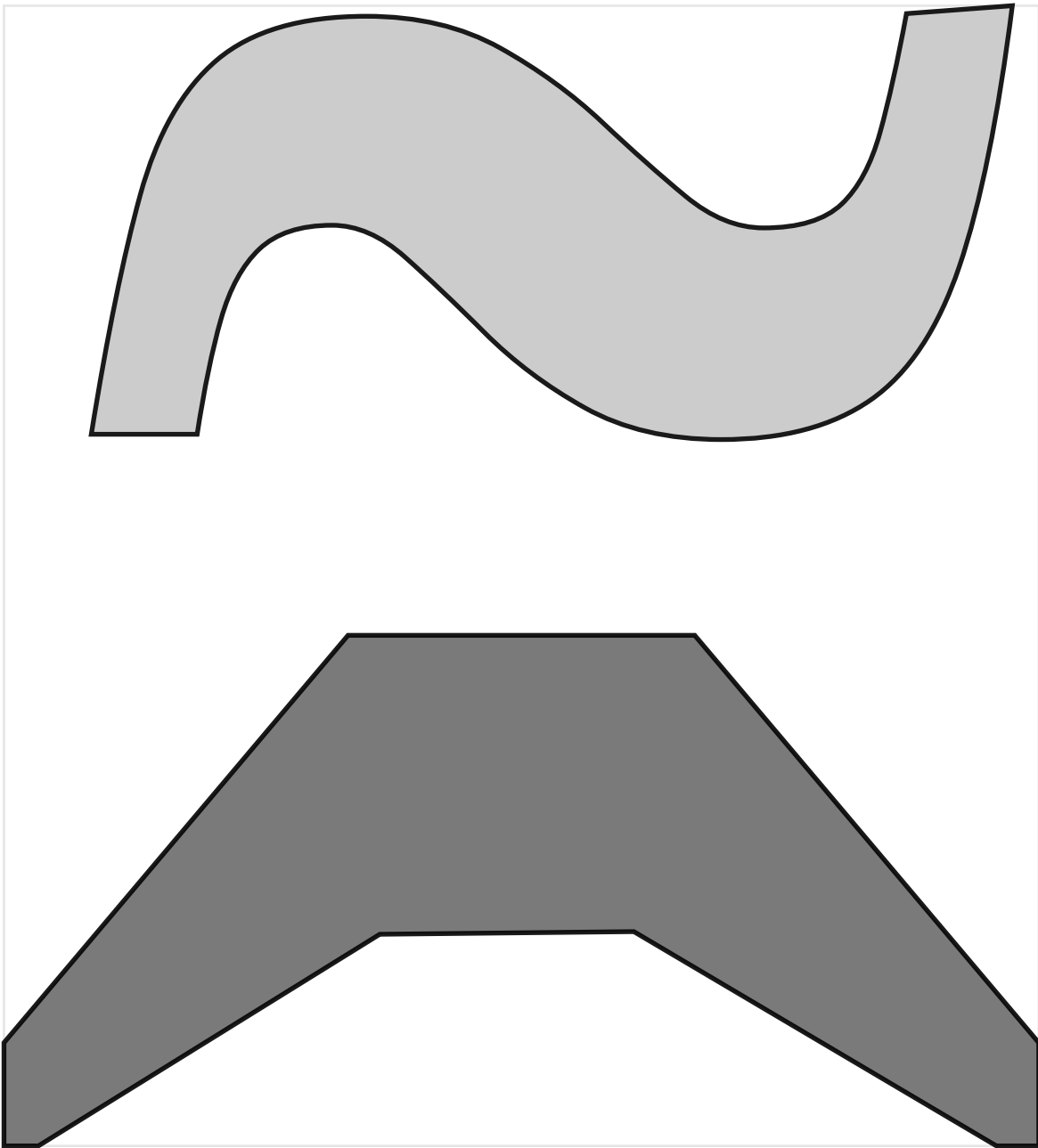
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

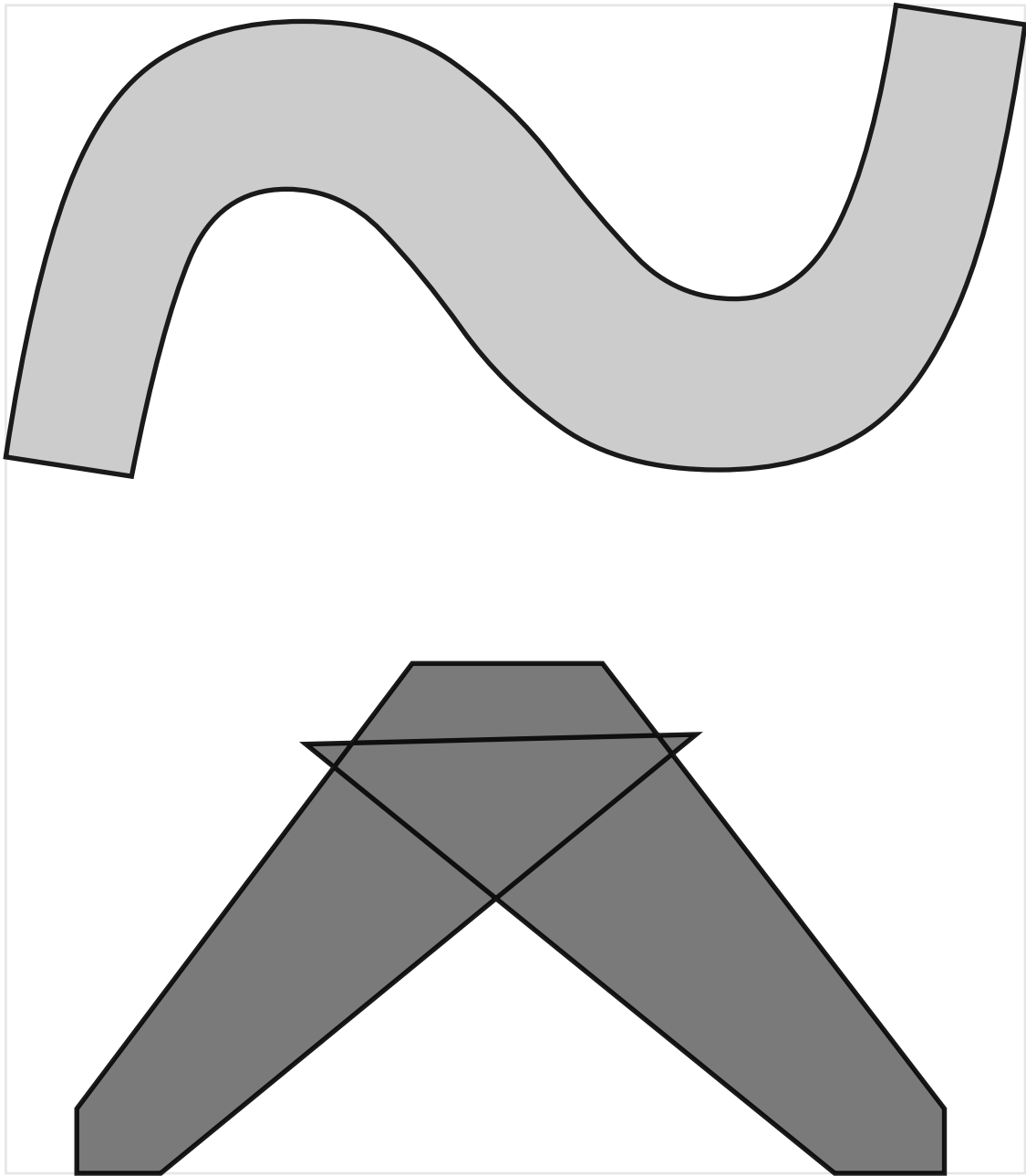


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

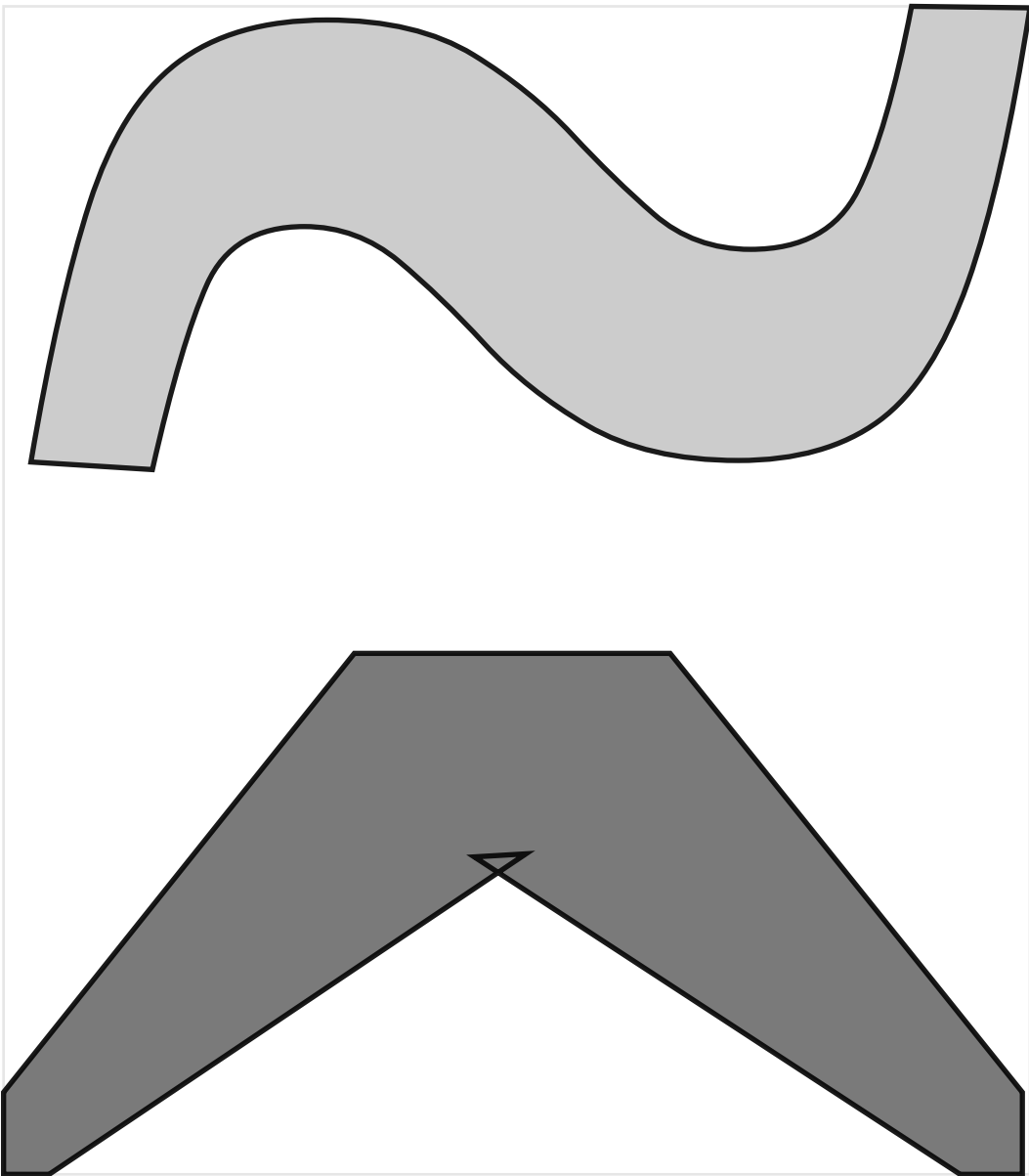


underweight

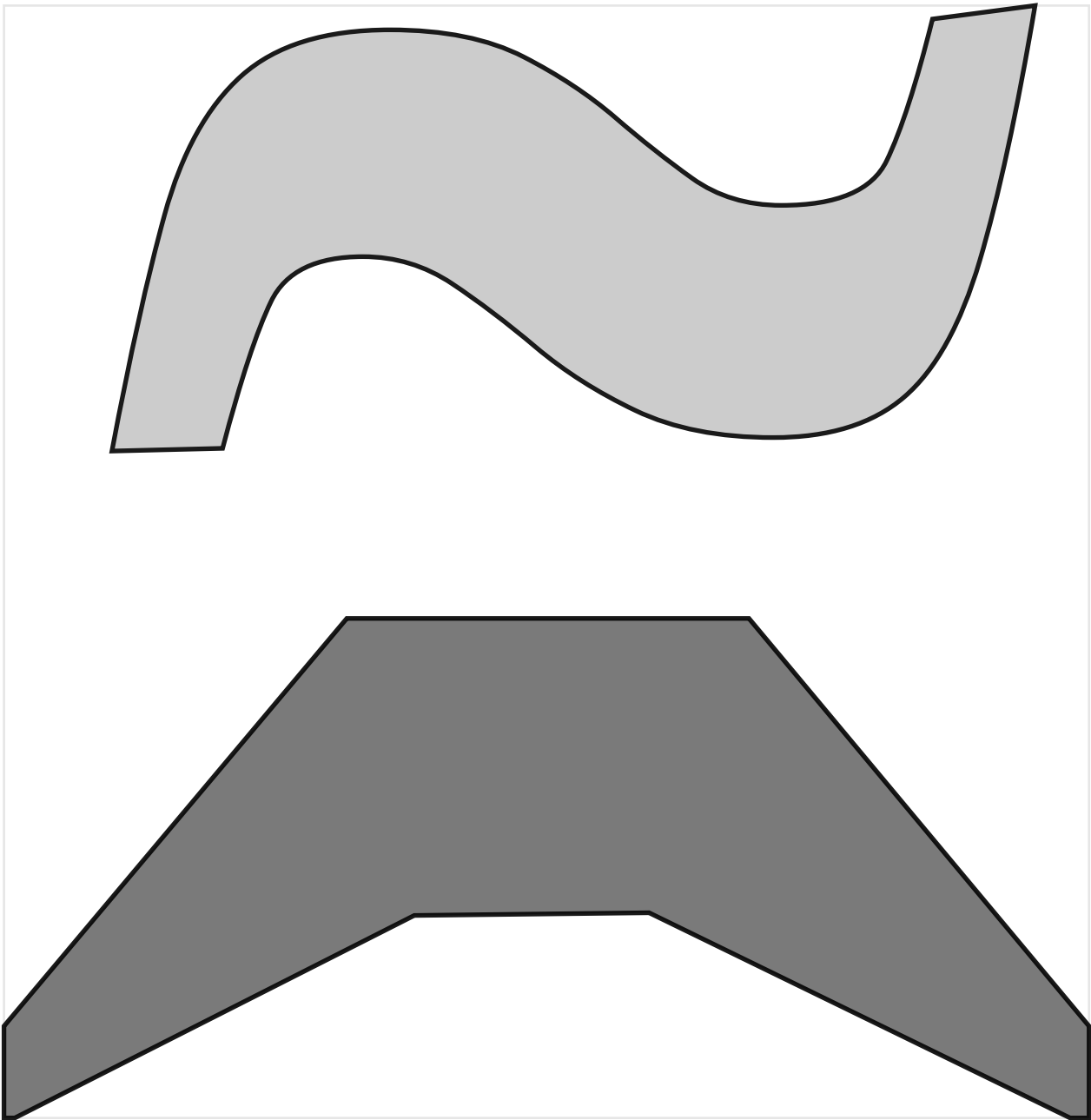
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

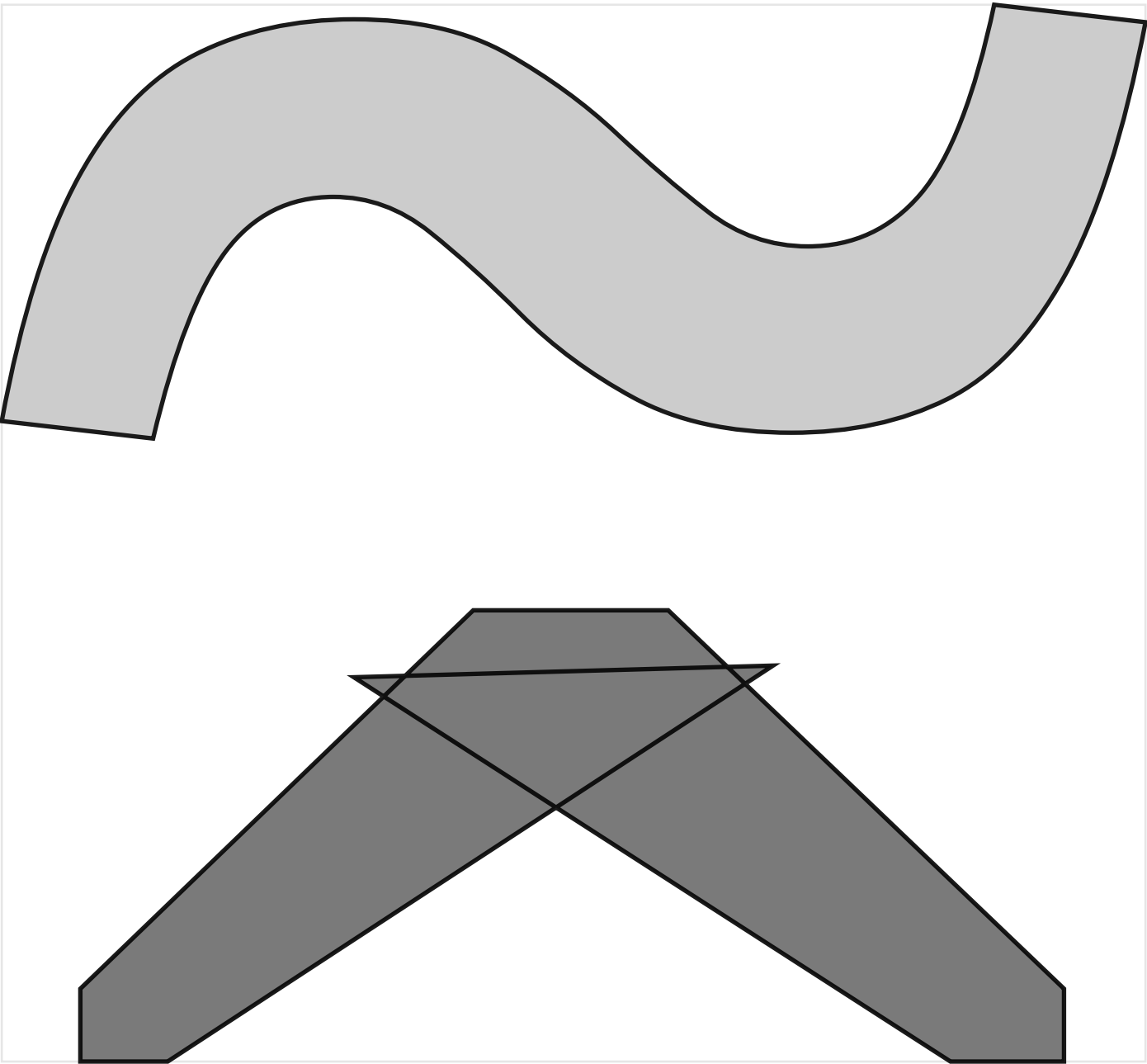


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

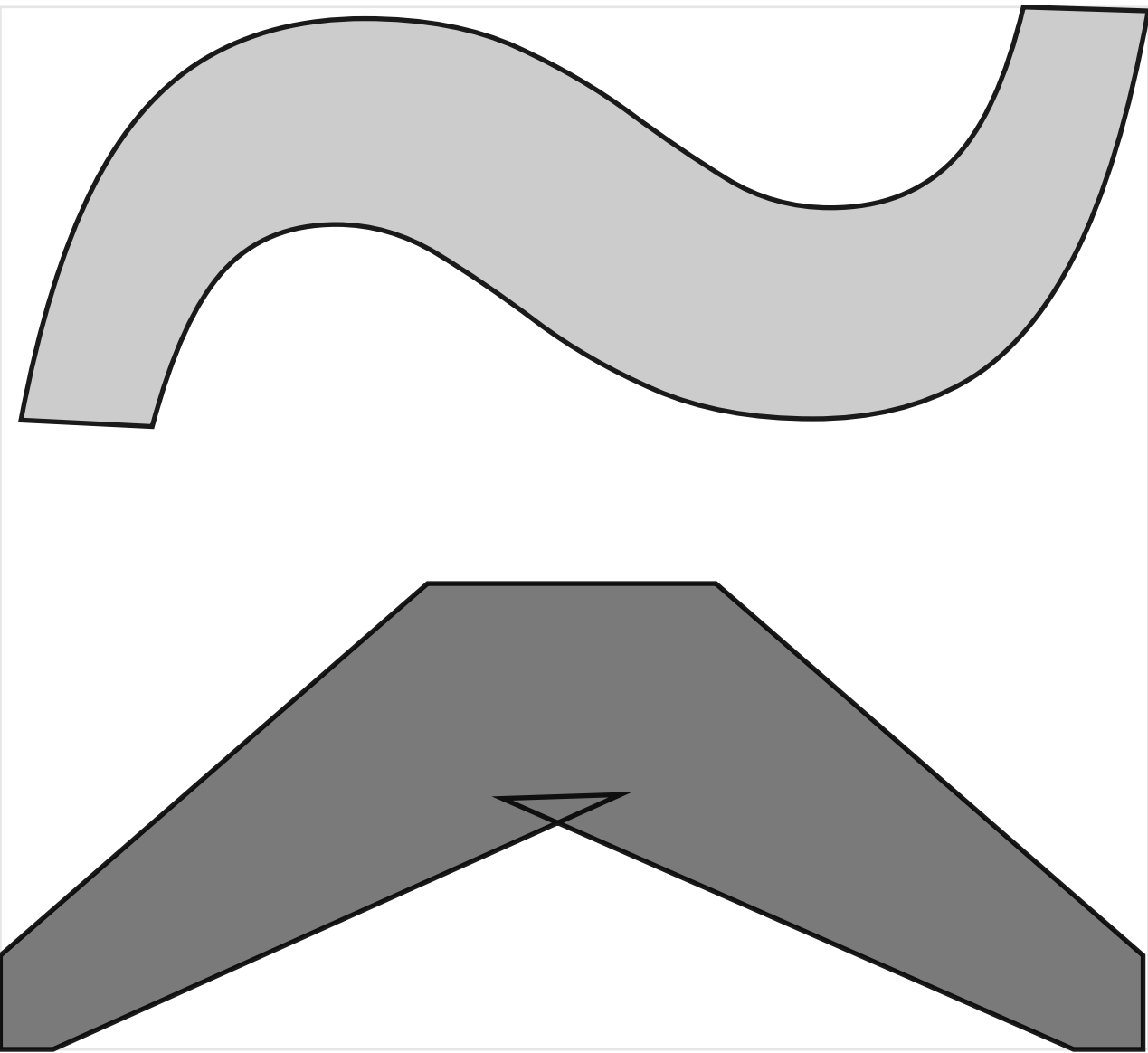


underweight

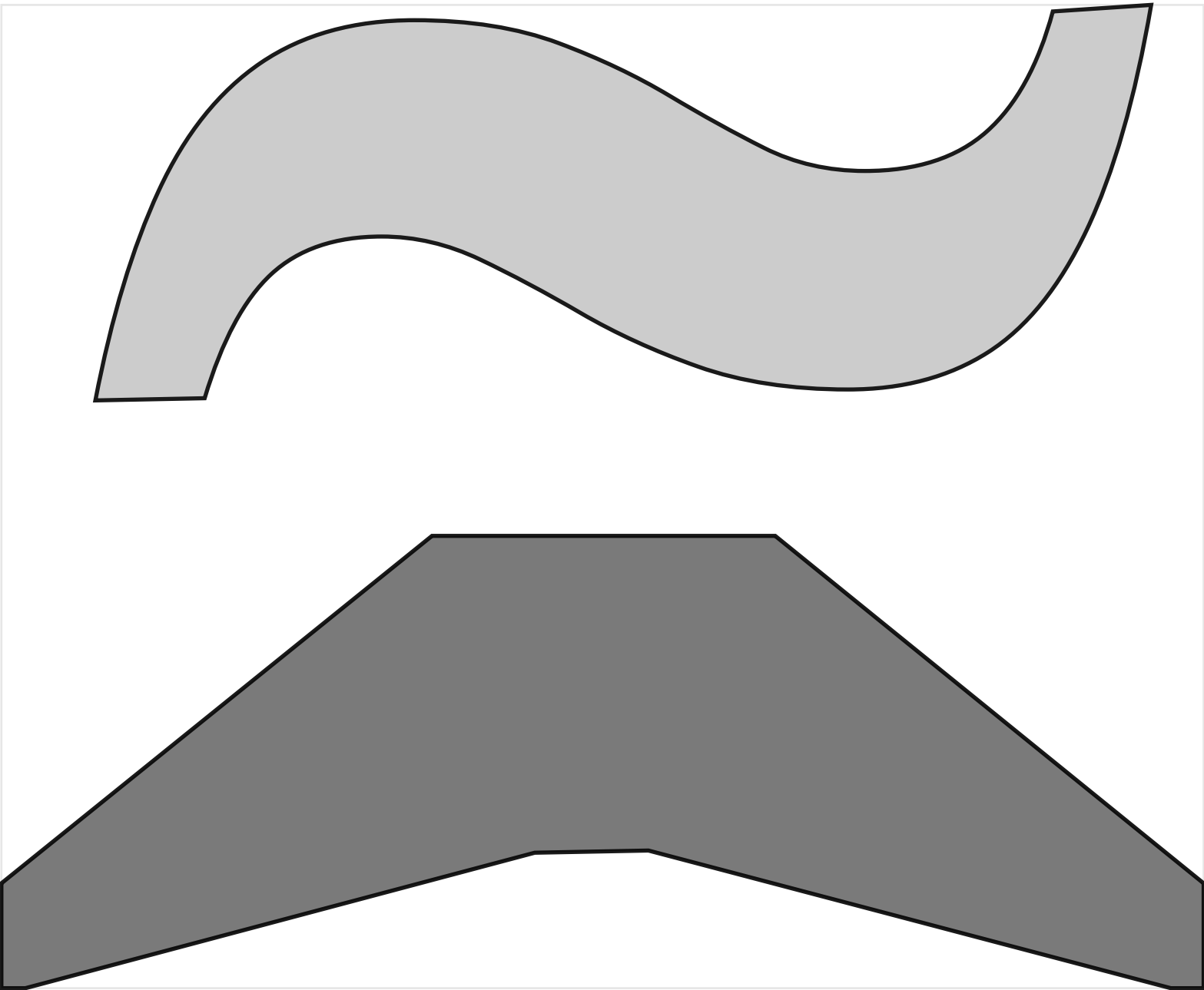
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation



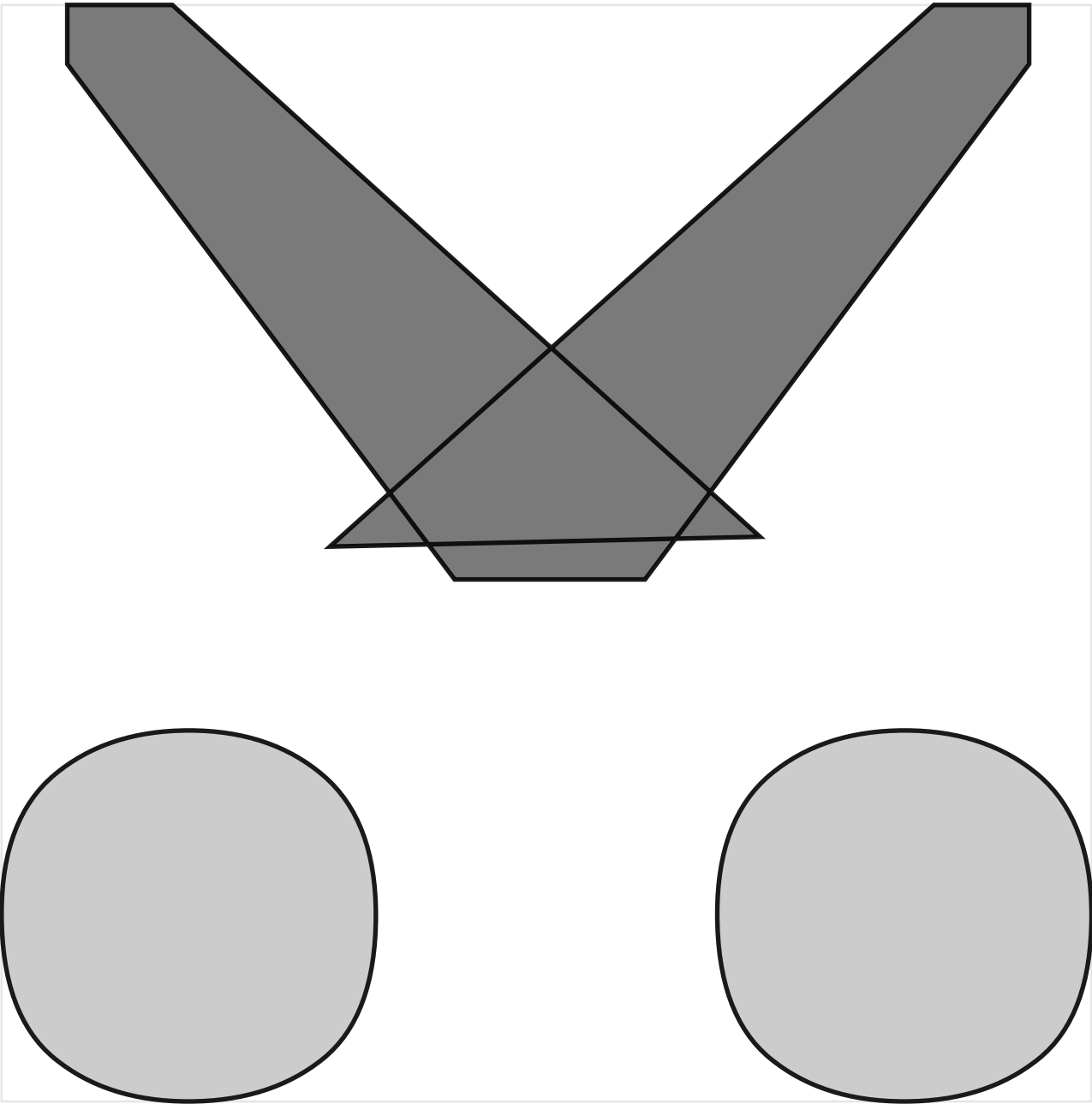
'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'



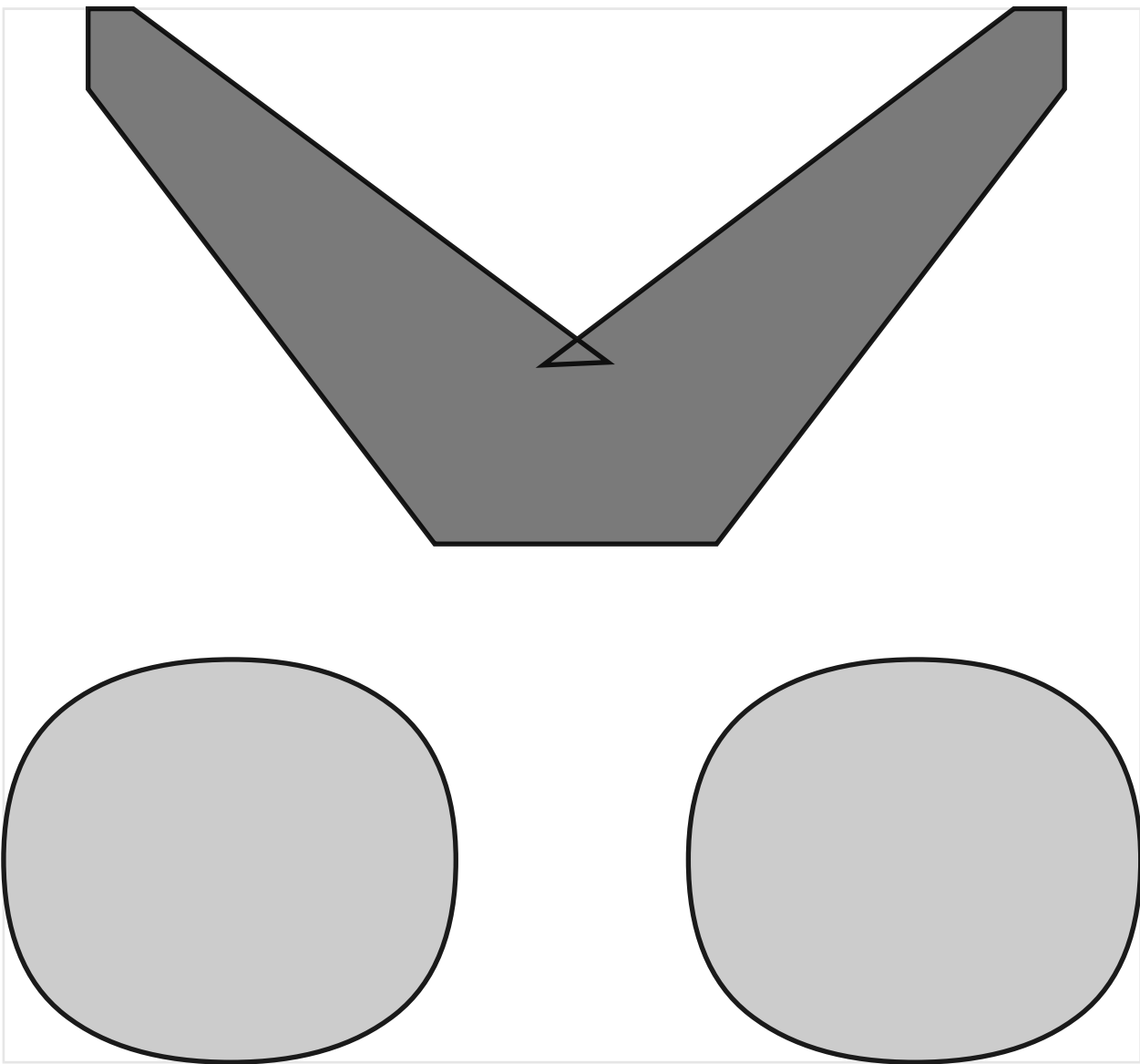


underweight

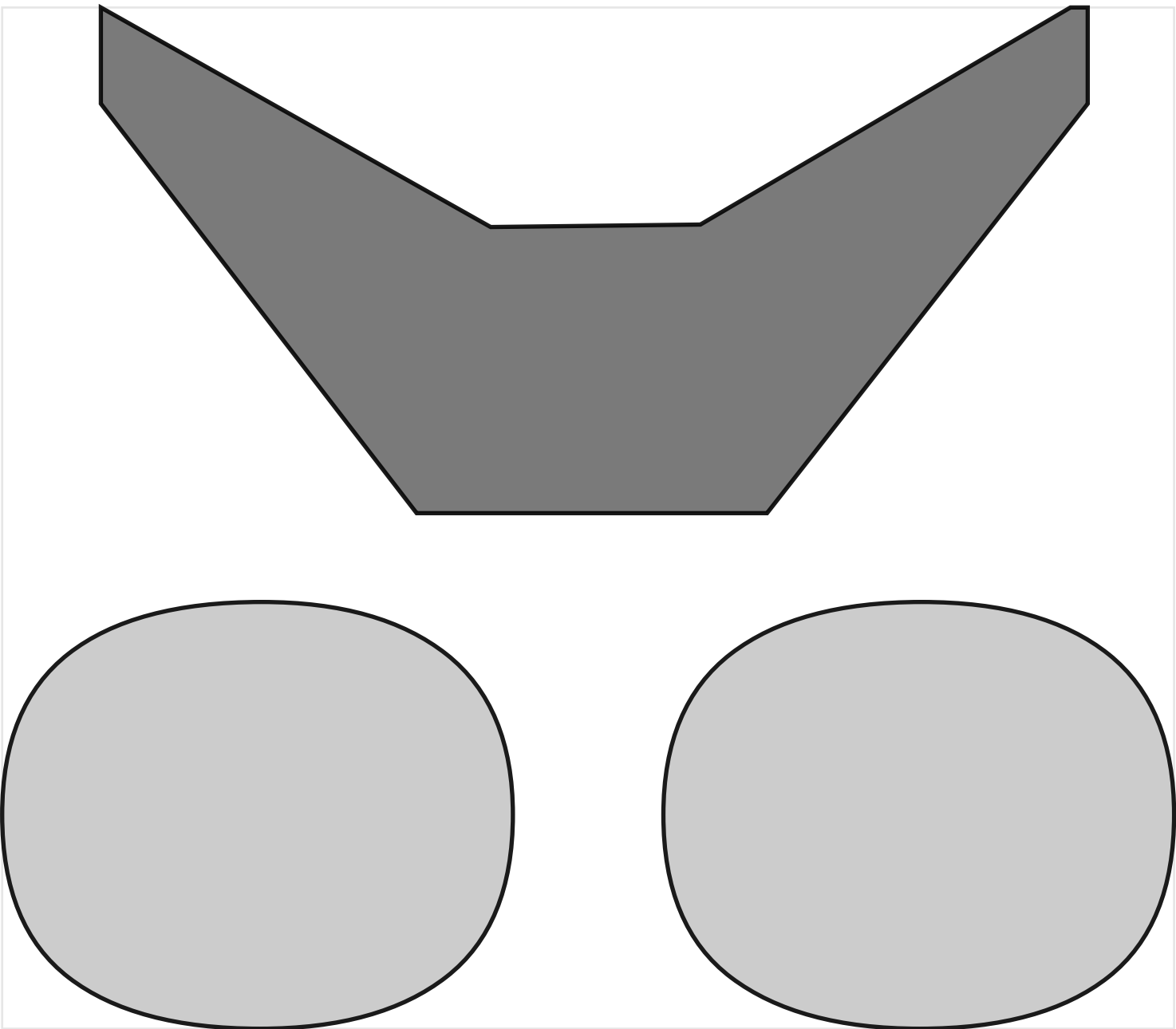
'GRAD=-50.0 opsz=8.0 width=50.0'



midway interpolation

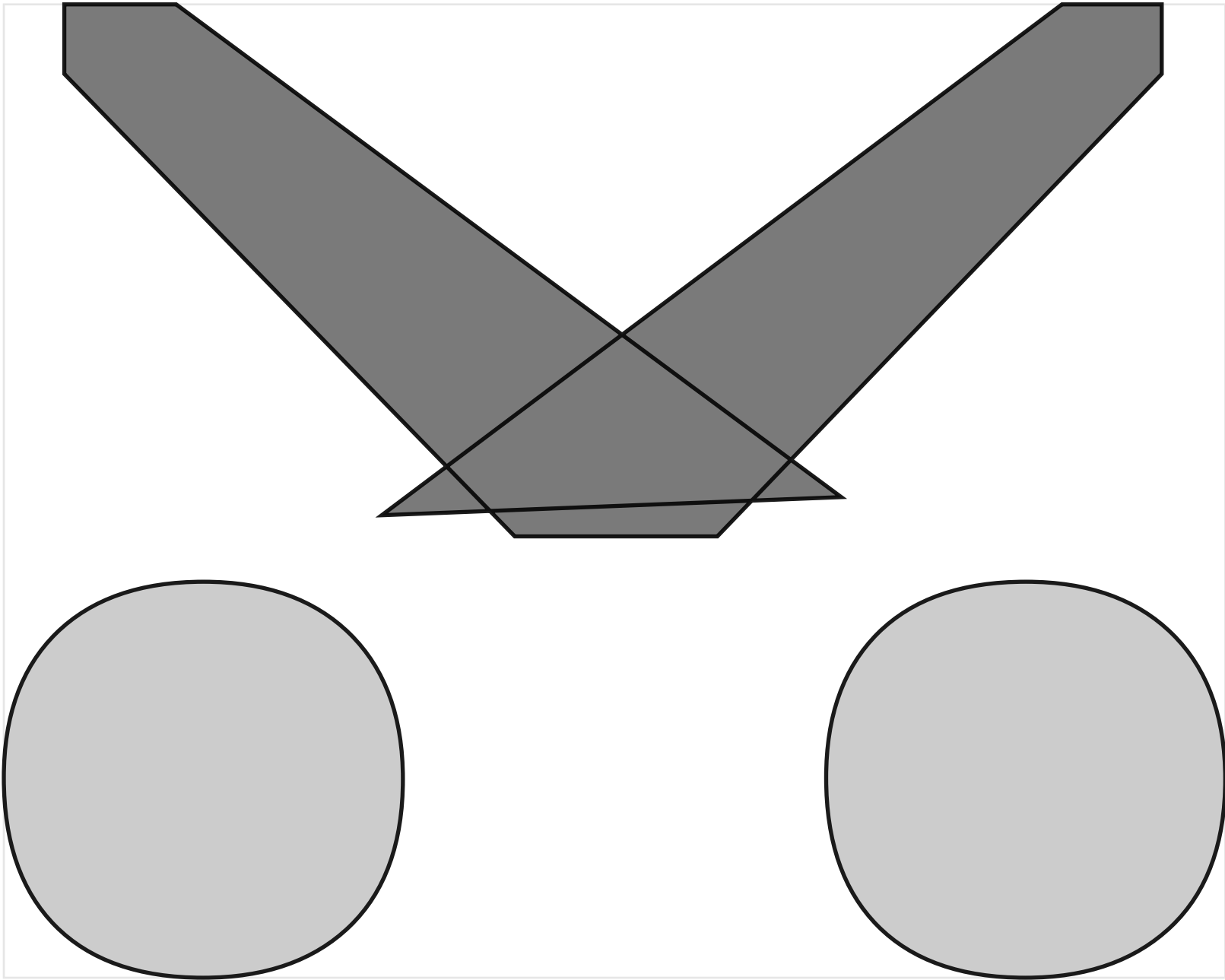


'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'

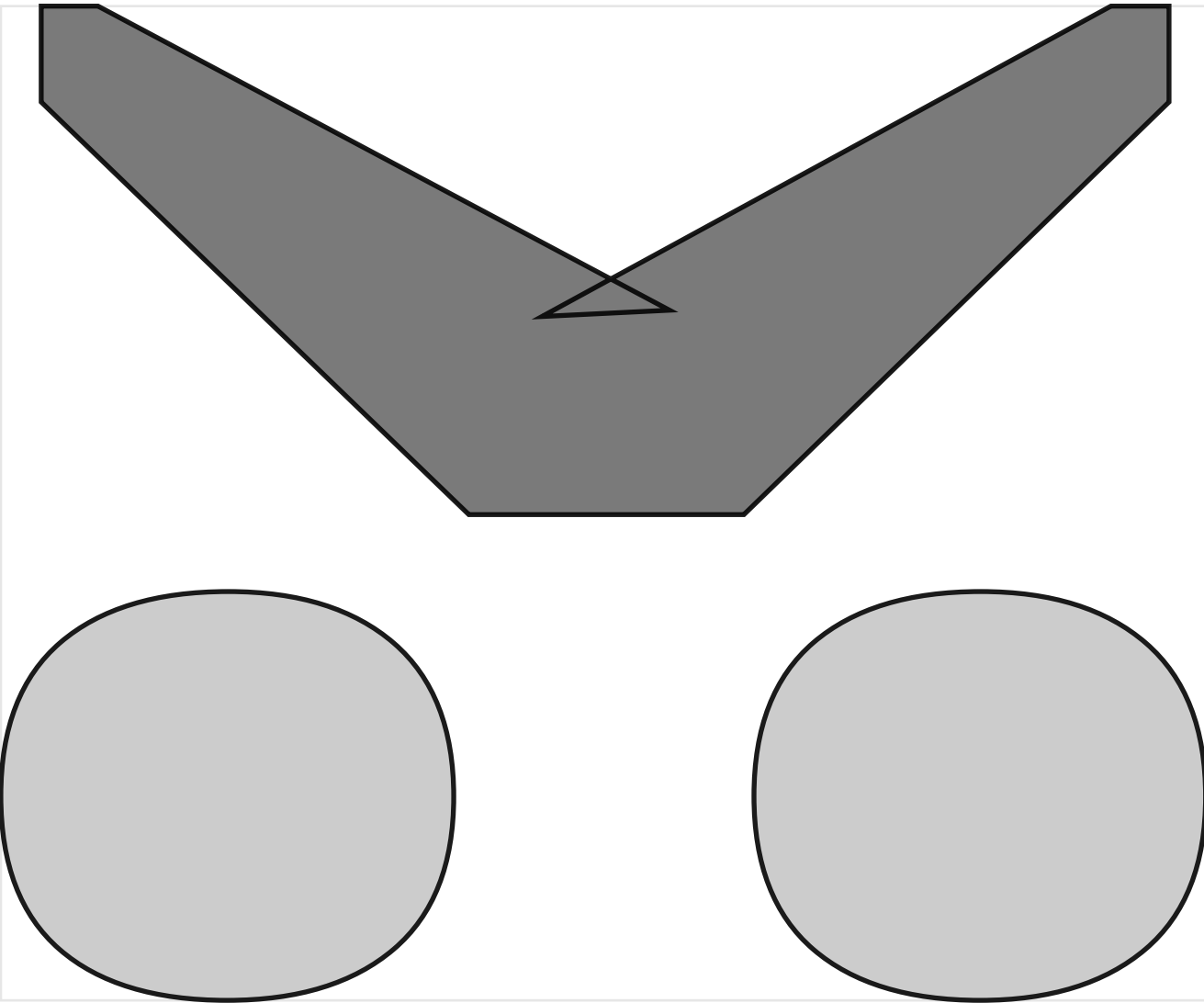


underweight

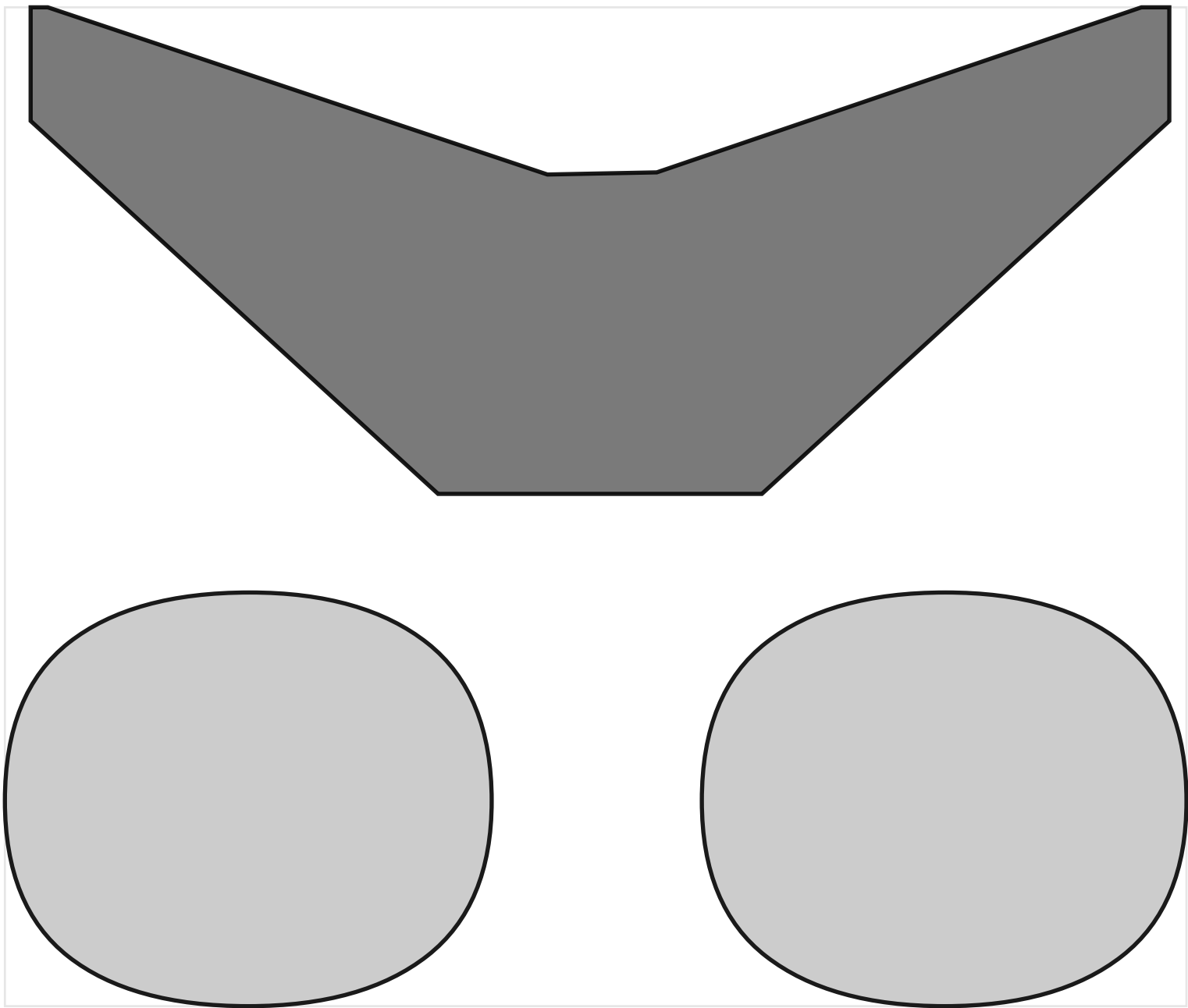
'GRAD=-50.0 opsz=8.0 width=150.0'



midway interpolation

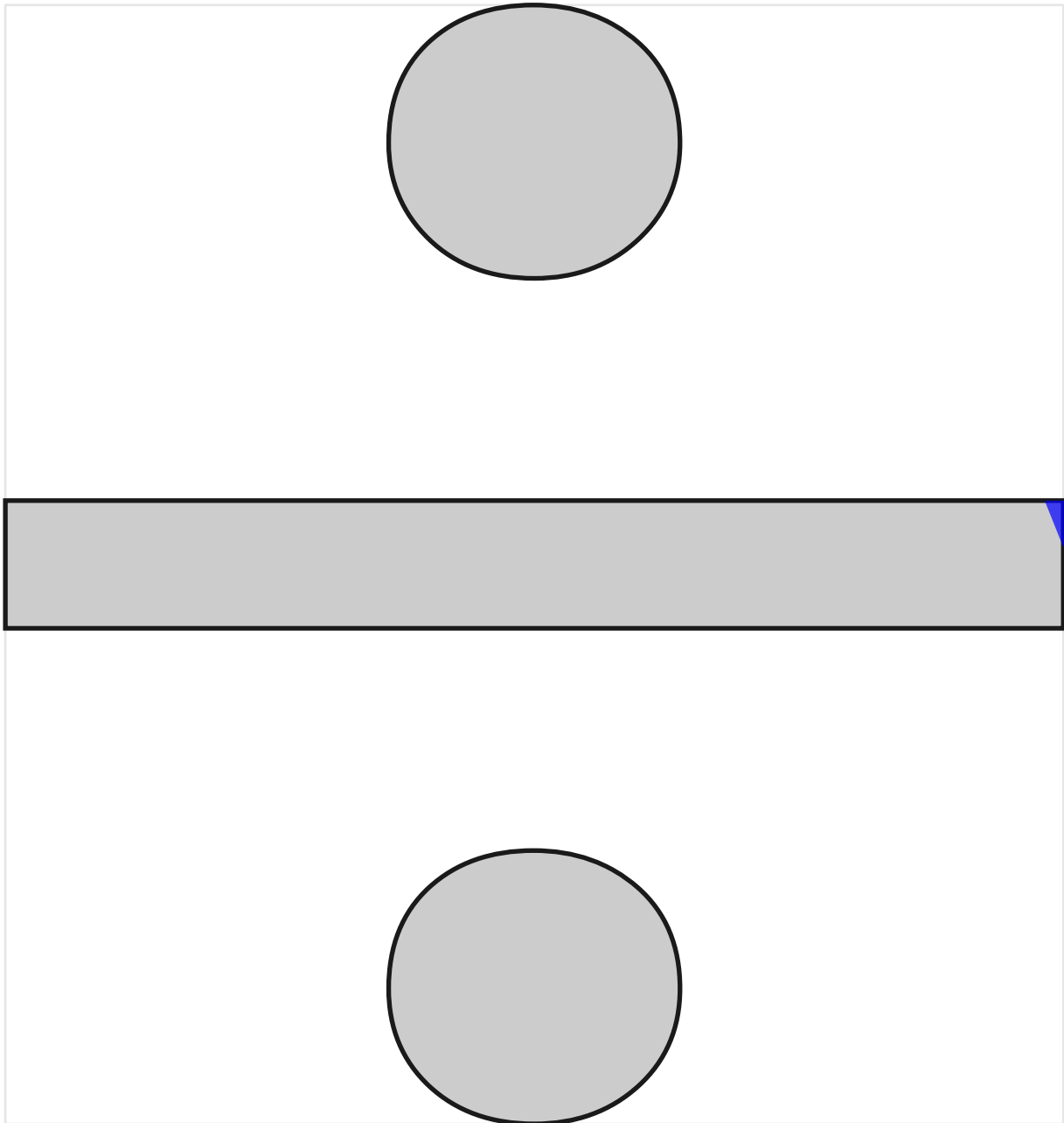


'GRAD=-50.0 opsz=8.0 width=150.0 wght=900.0'

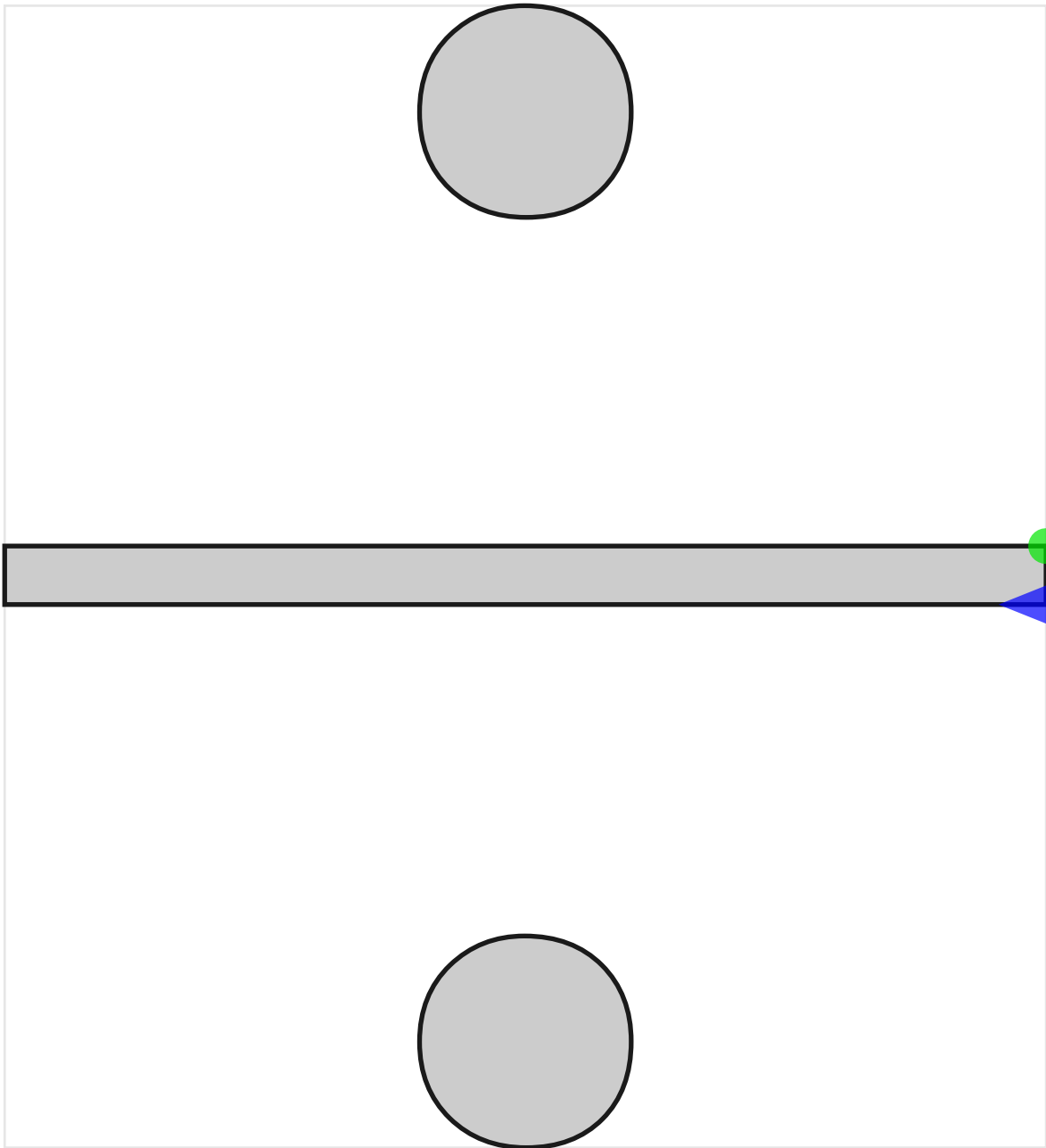


wrong\_start\_point

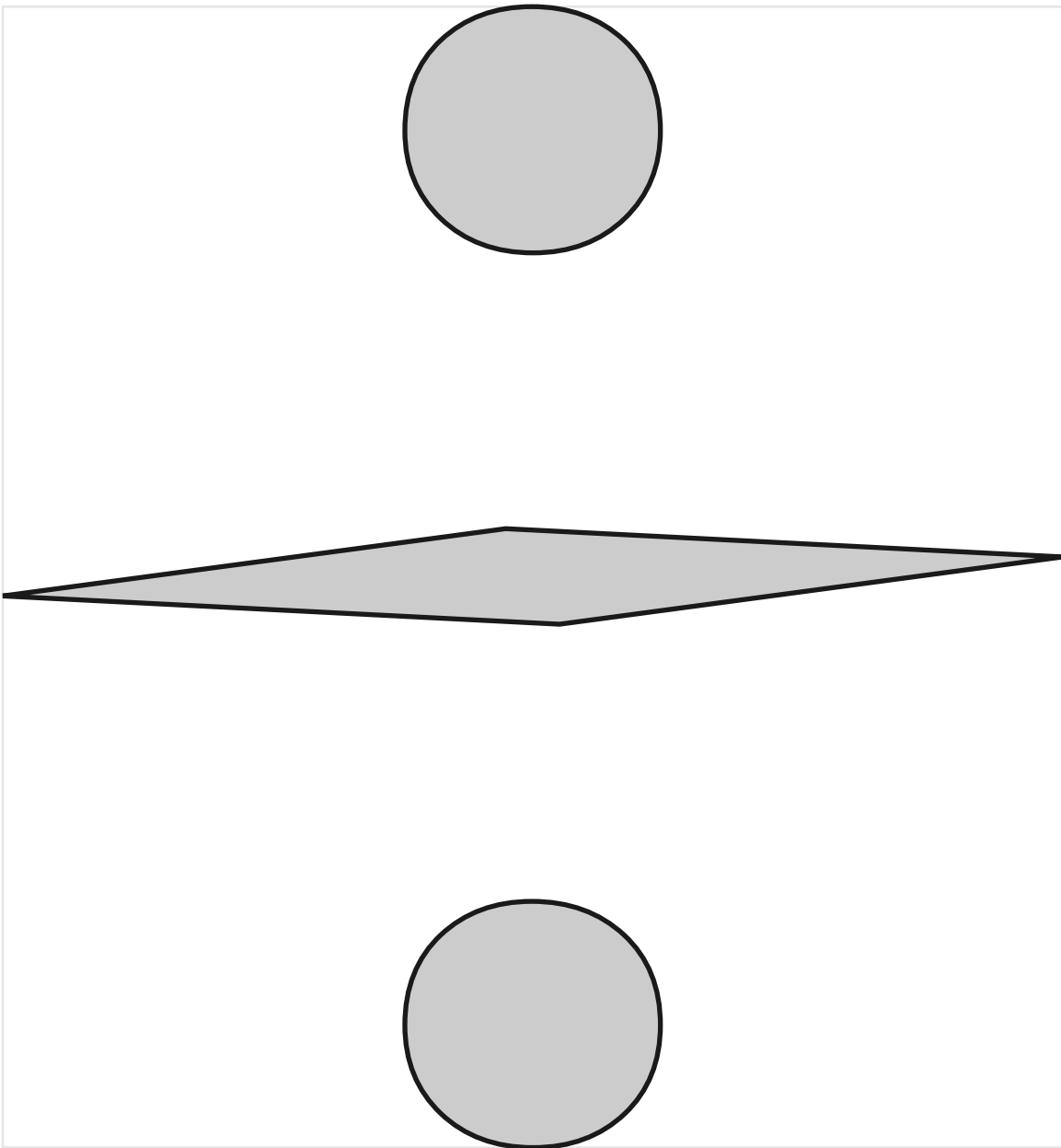
'GRAD=-50.0'



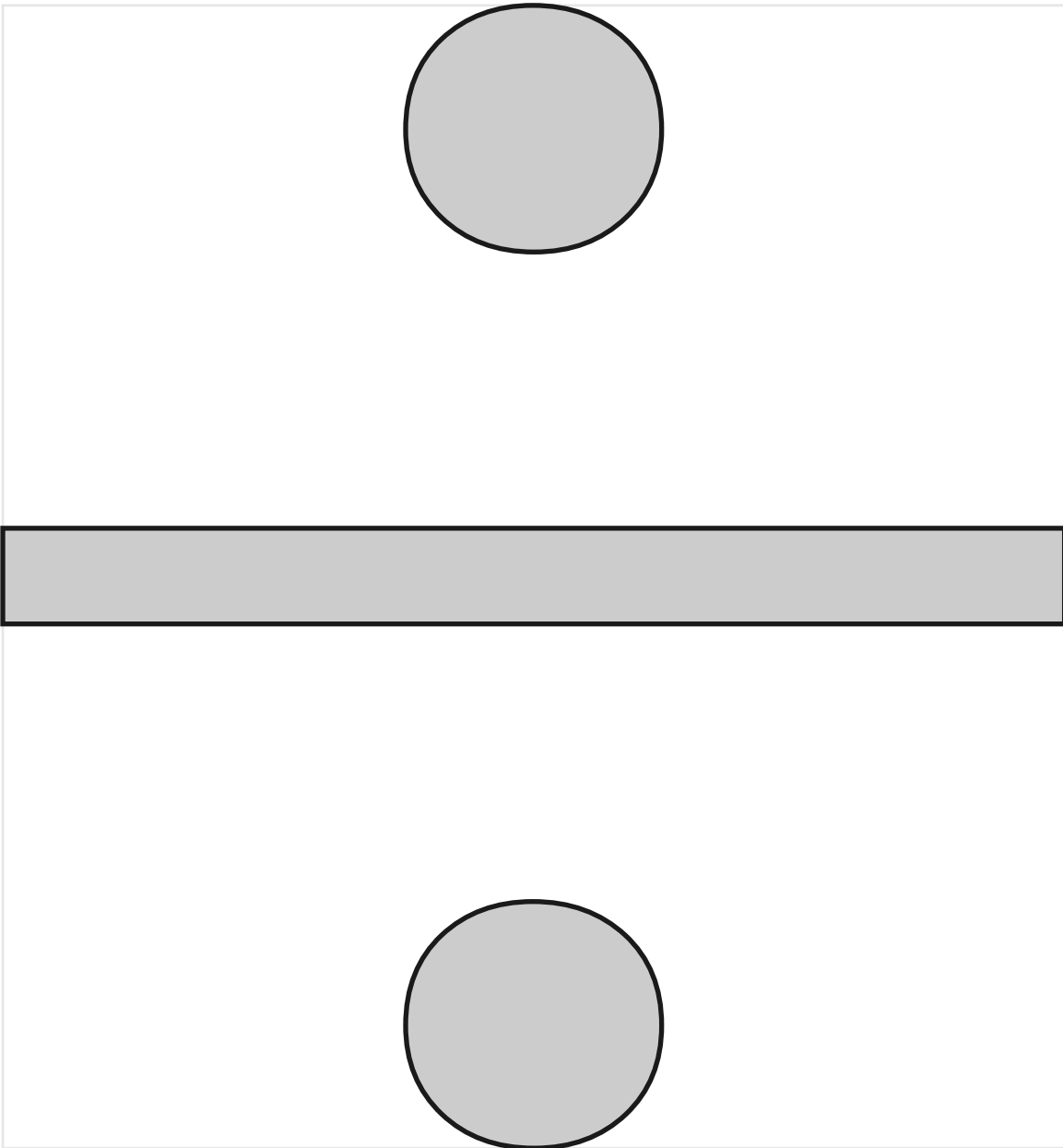
'GRAD=-50.0 wght=100.0'



midway interpolation

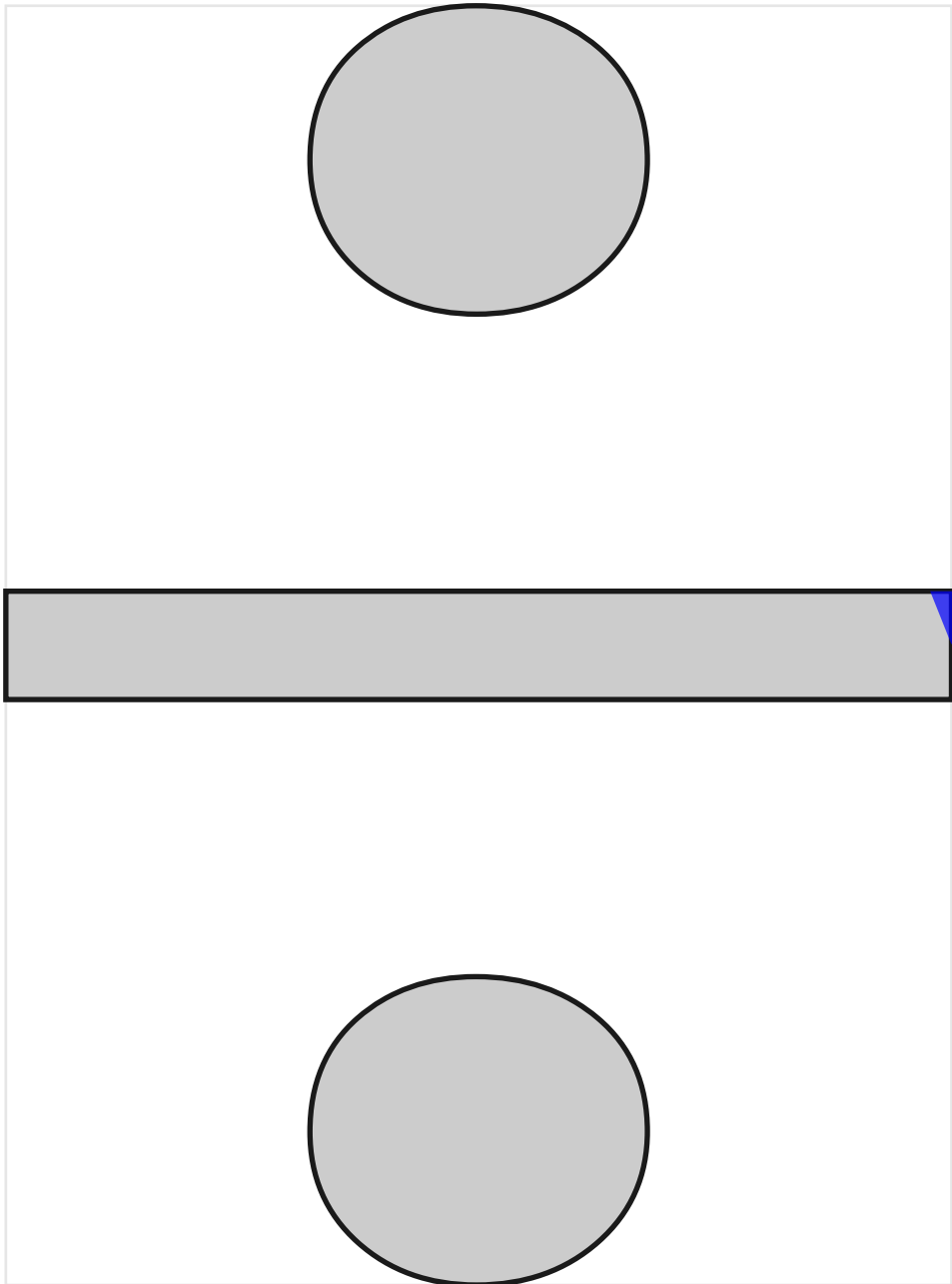


proposed fix

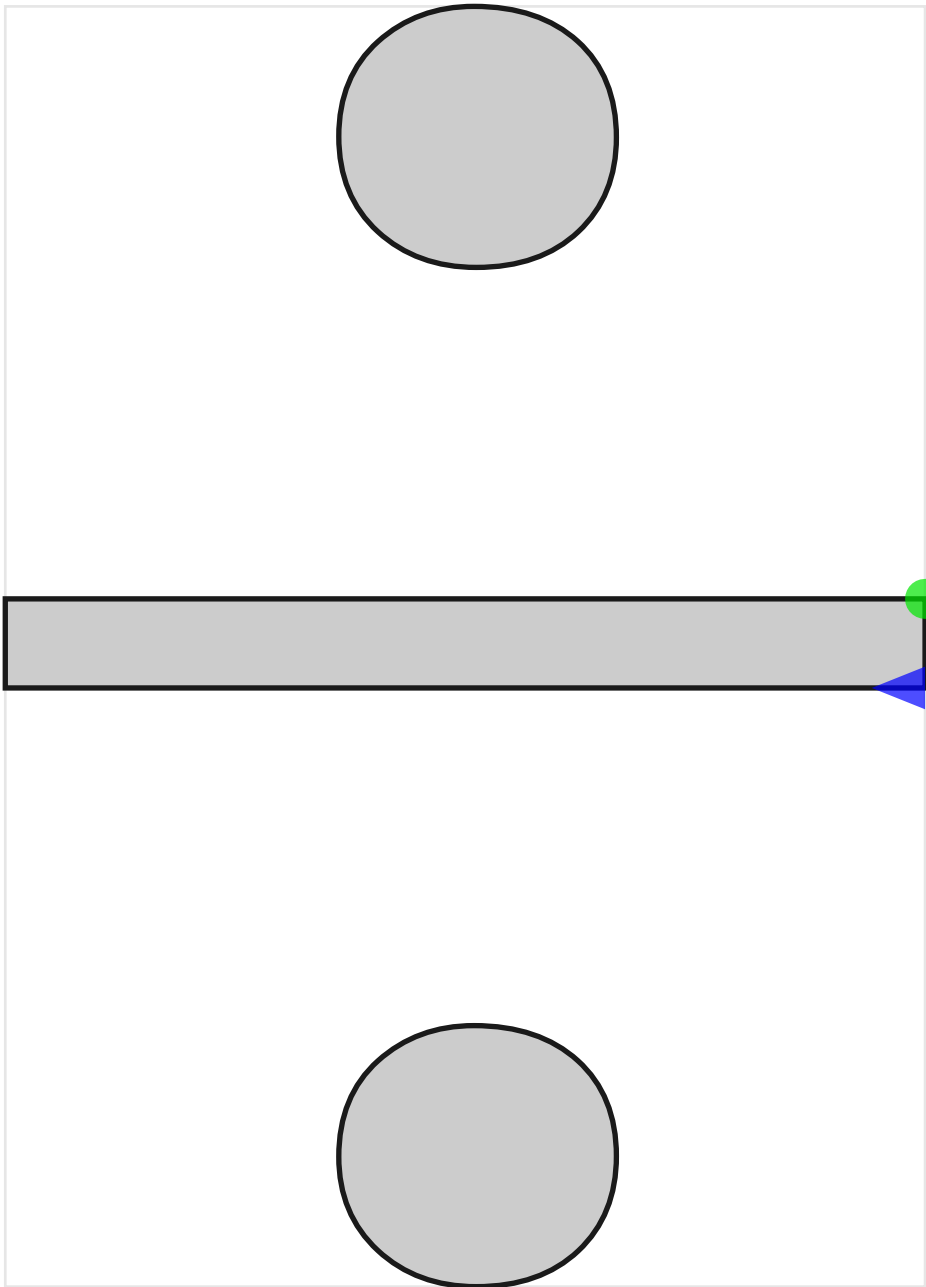


wrong\_start\_point

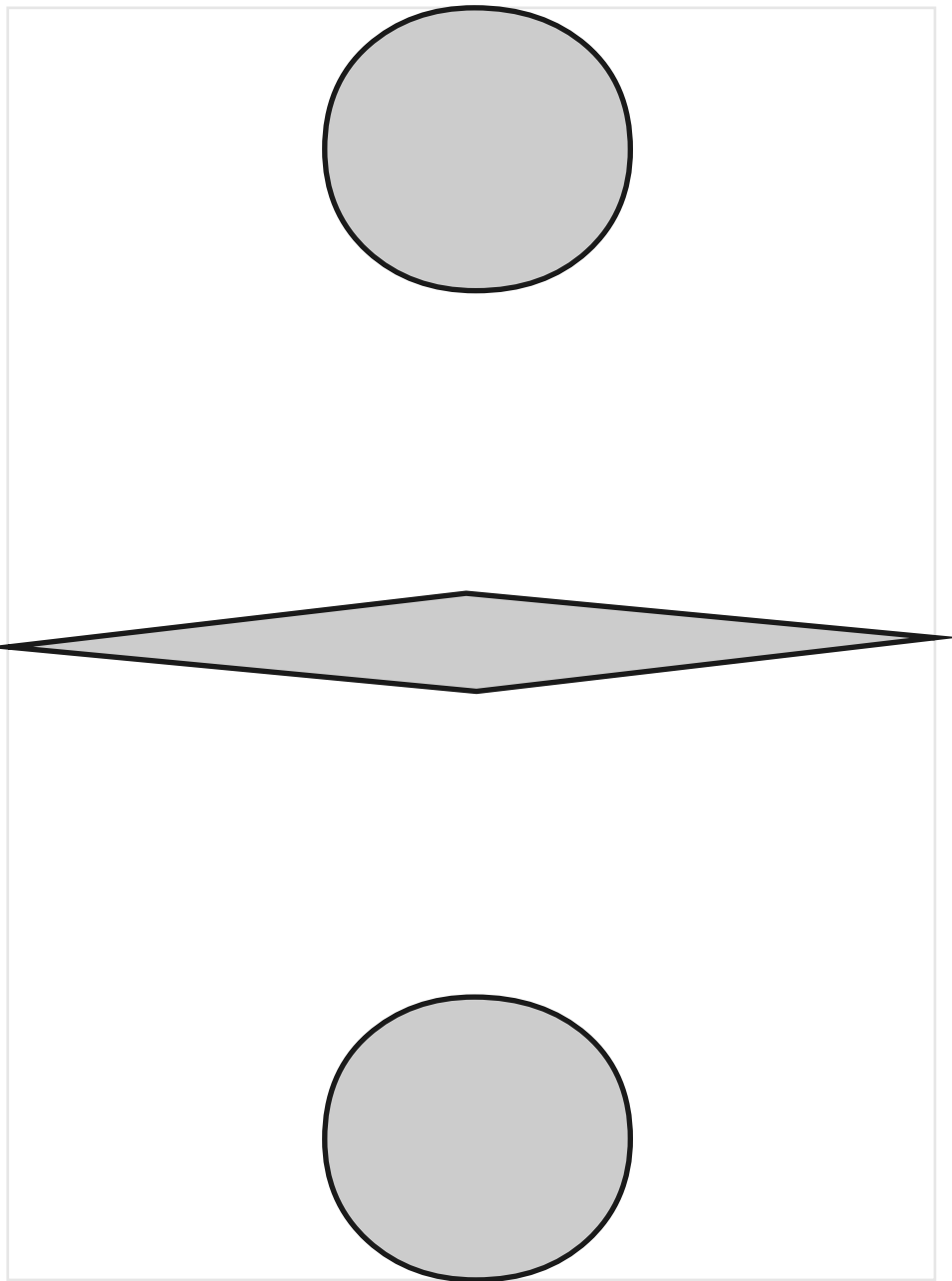
'GRAD=-50.0 opsz=8.0'



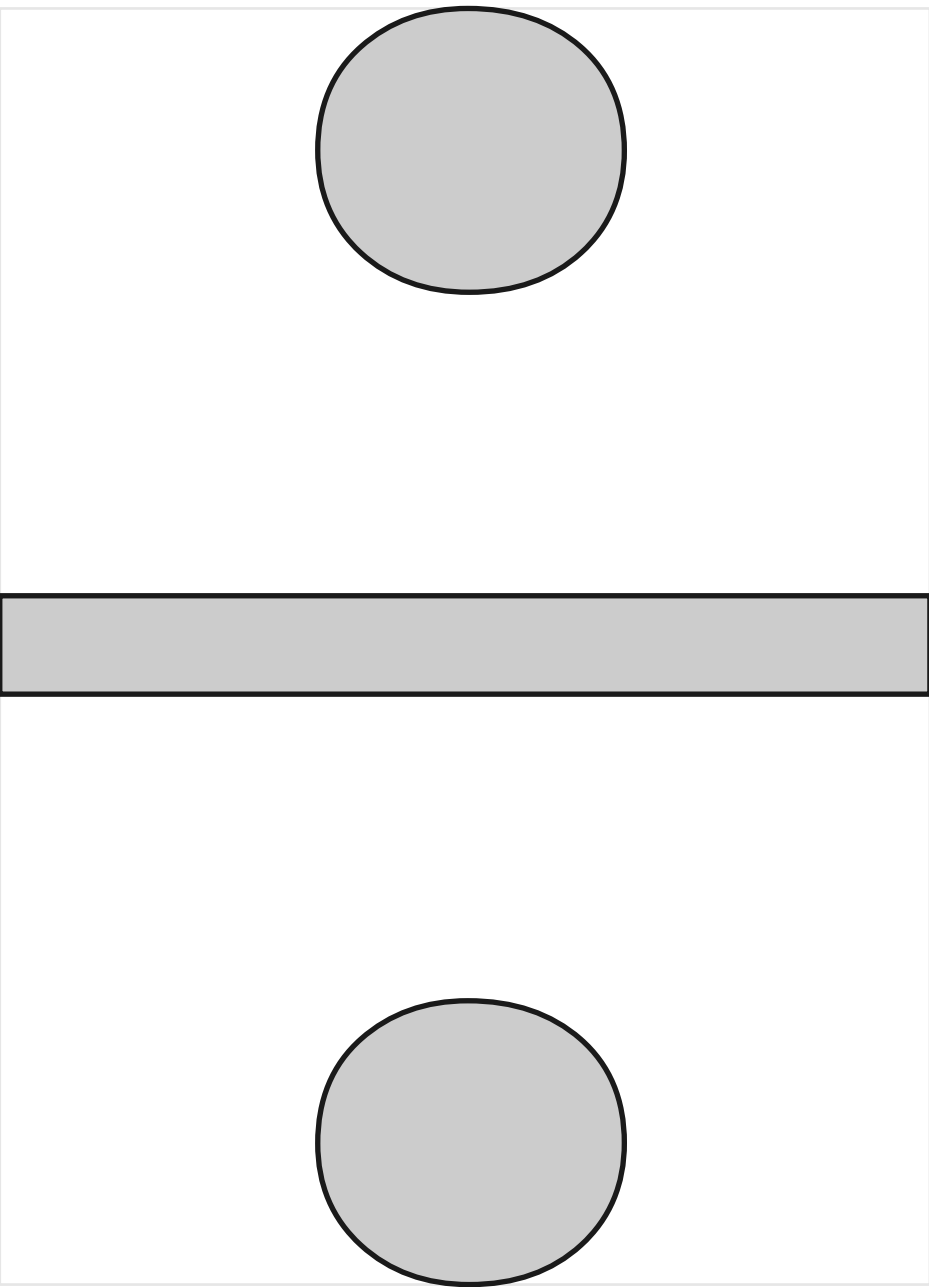
'GRAD=-50.0 opsz=8.0 wght=100.0'



midway interpolation

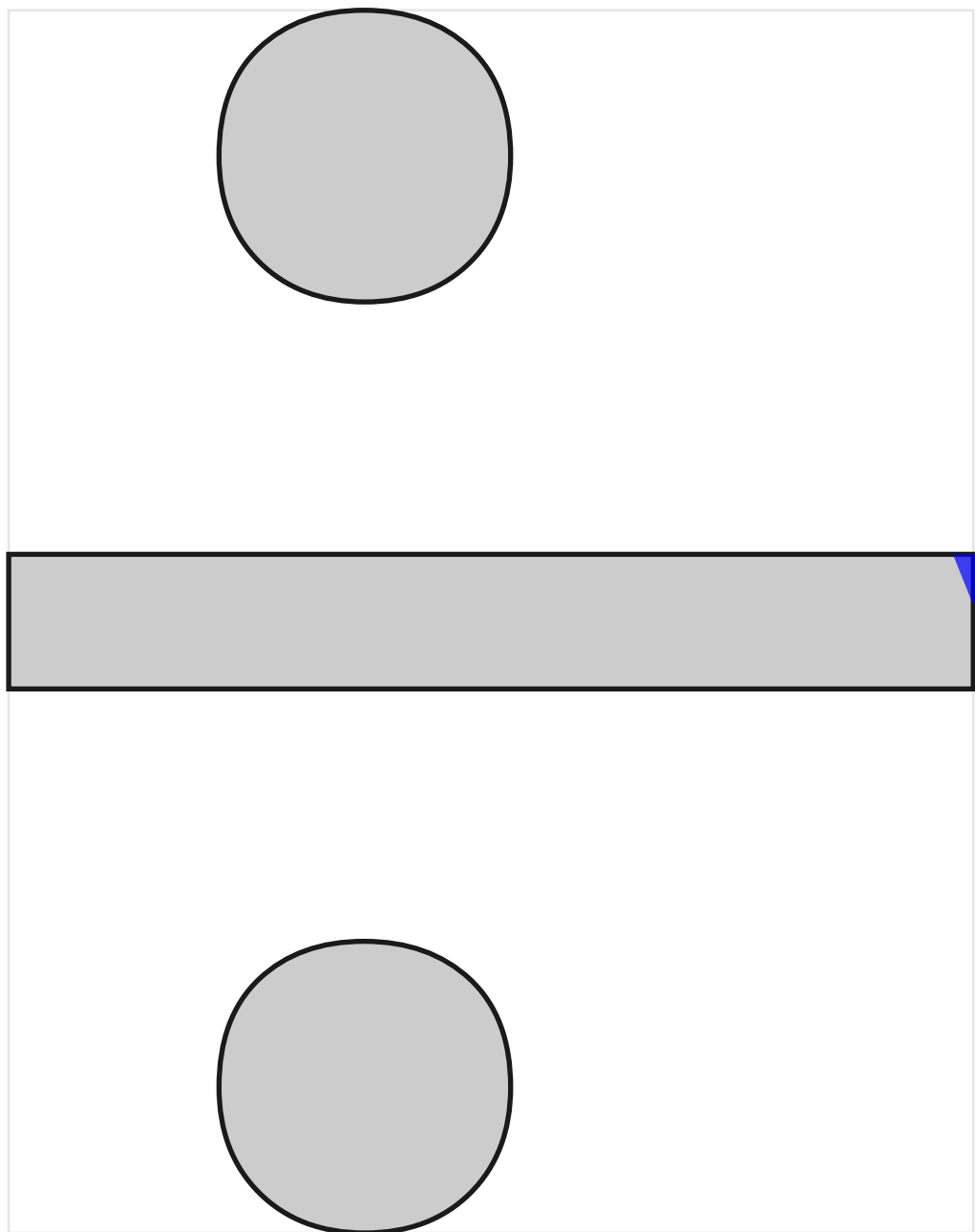


proposed fix

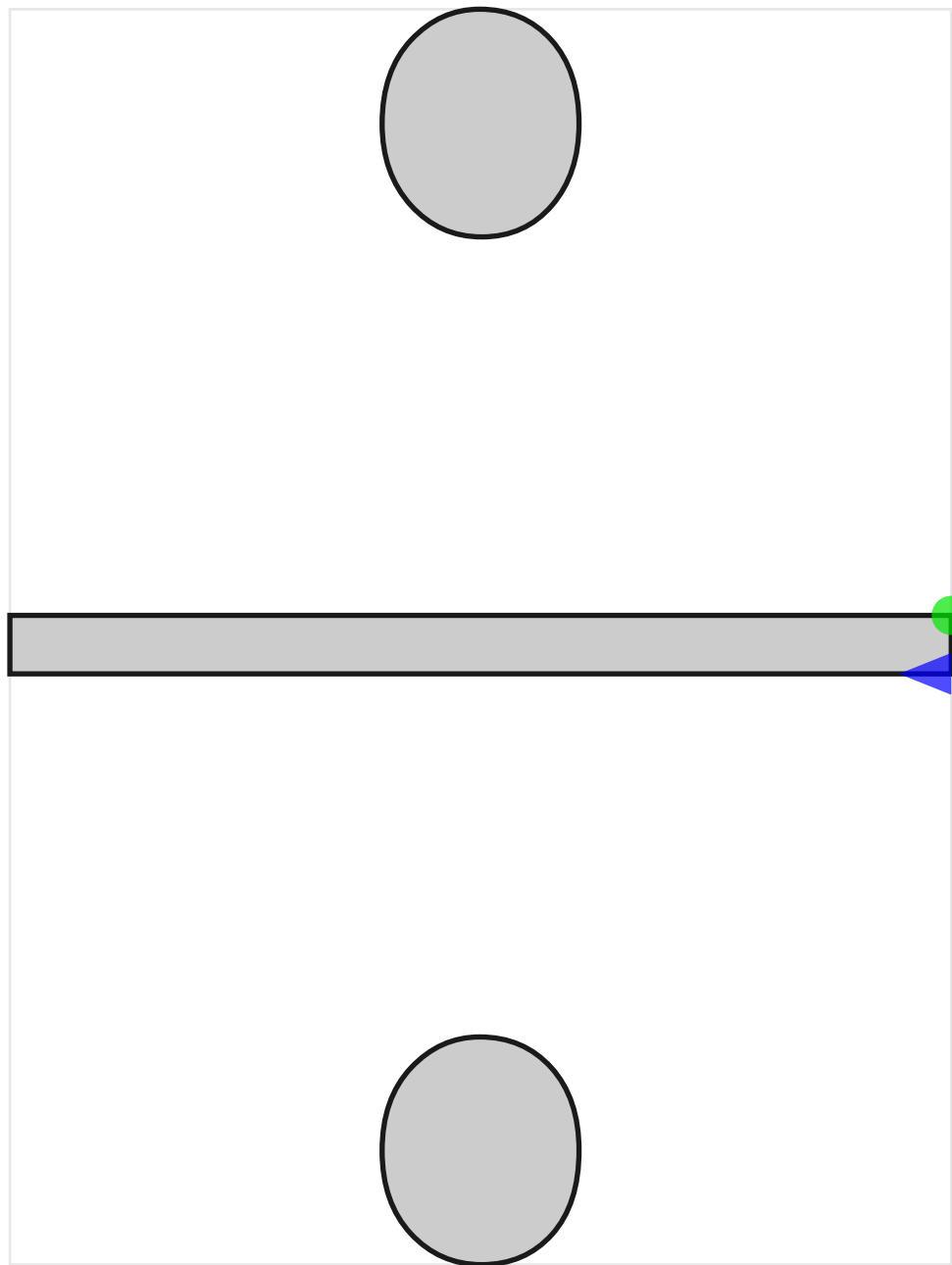


wrong\_start\_point

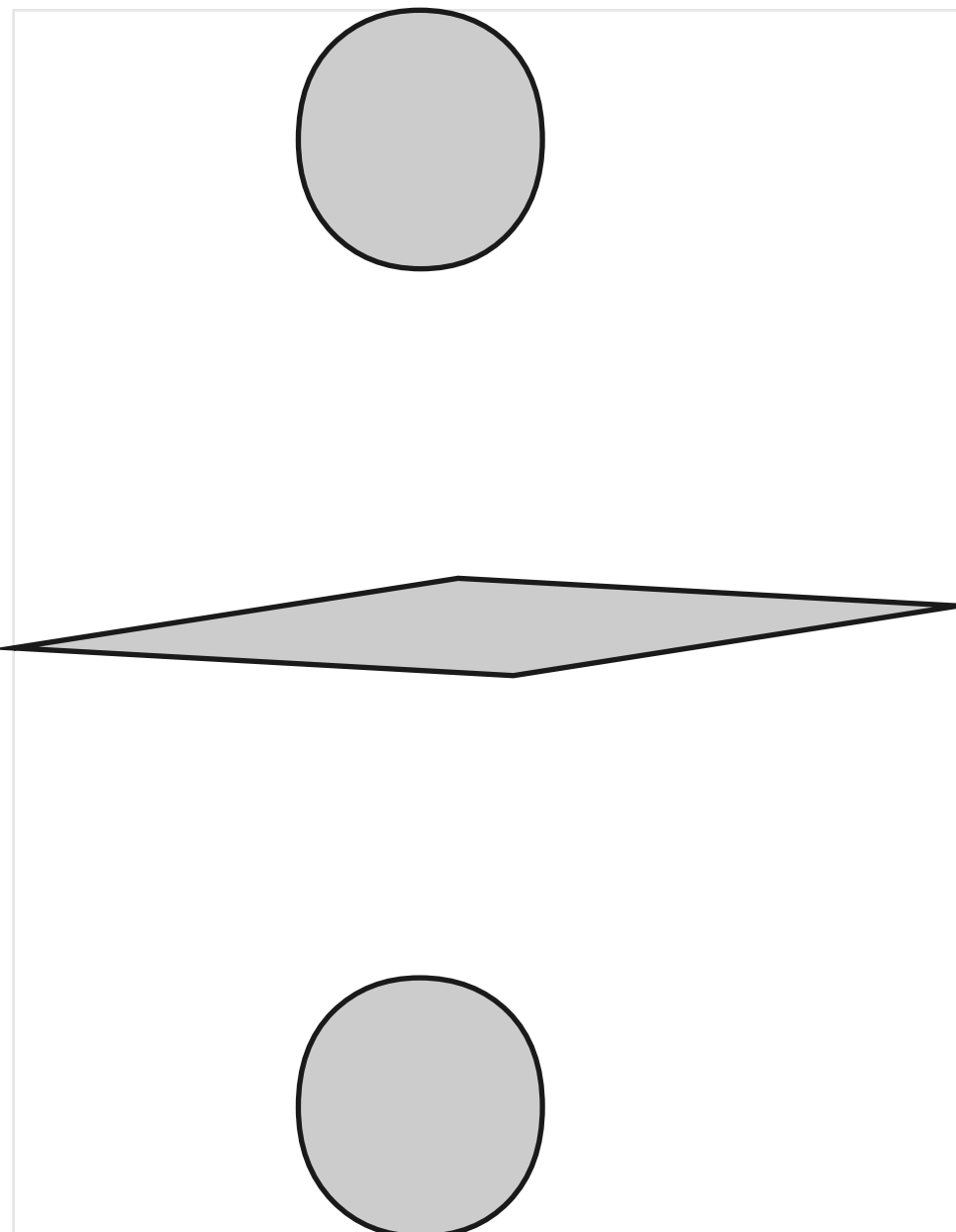
'GRAD=-50.0 width=50.0'



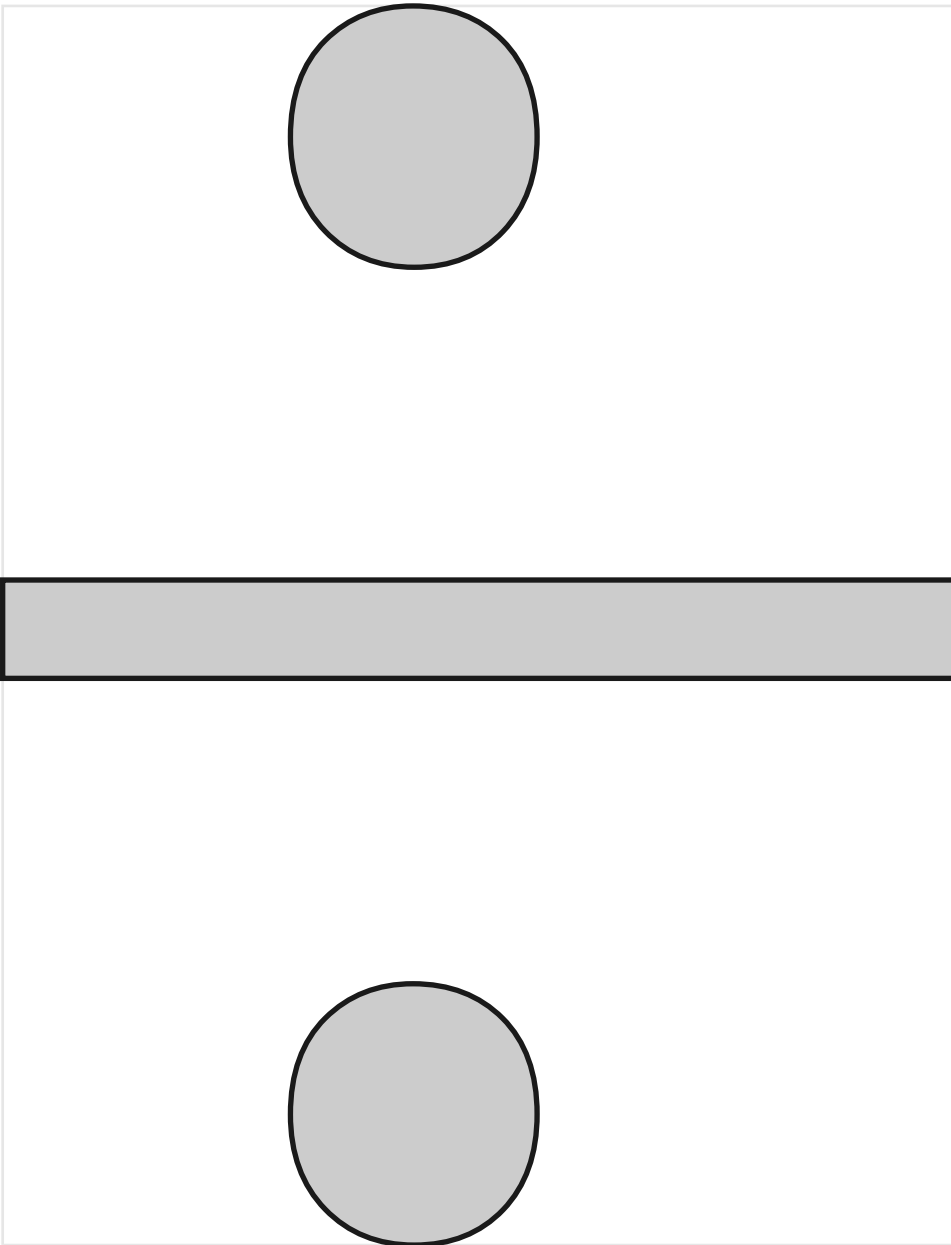
'GRAD=-50.0 width=50.0 wght=100.0'



midway interpolation

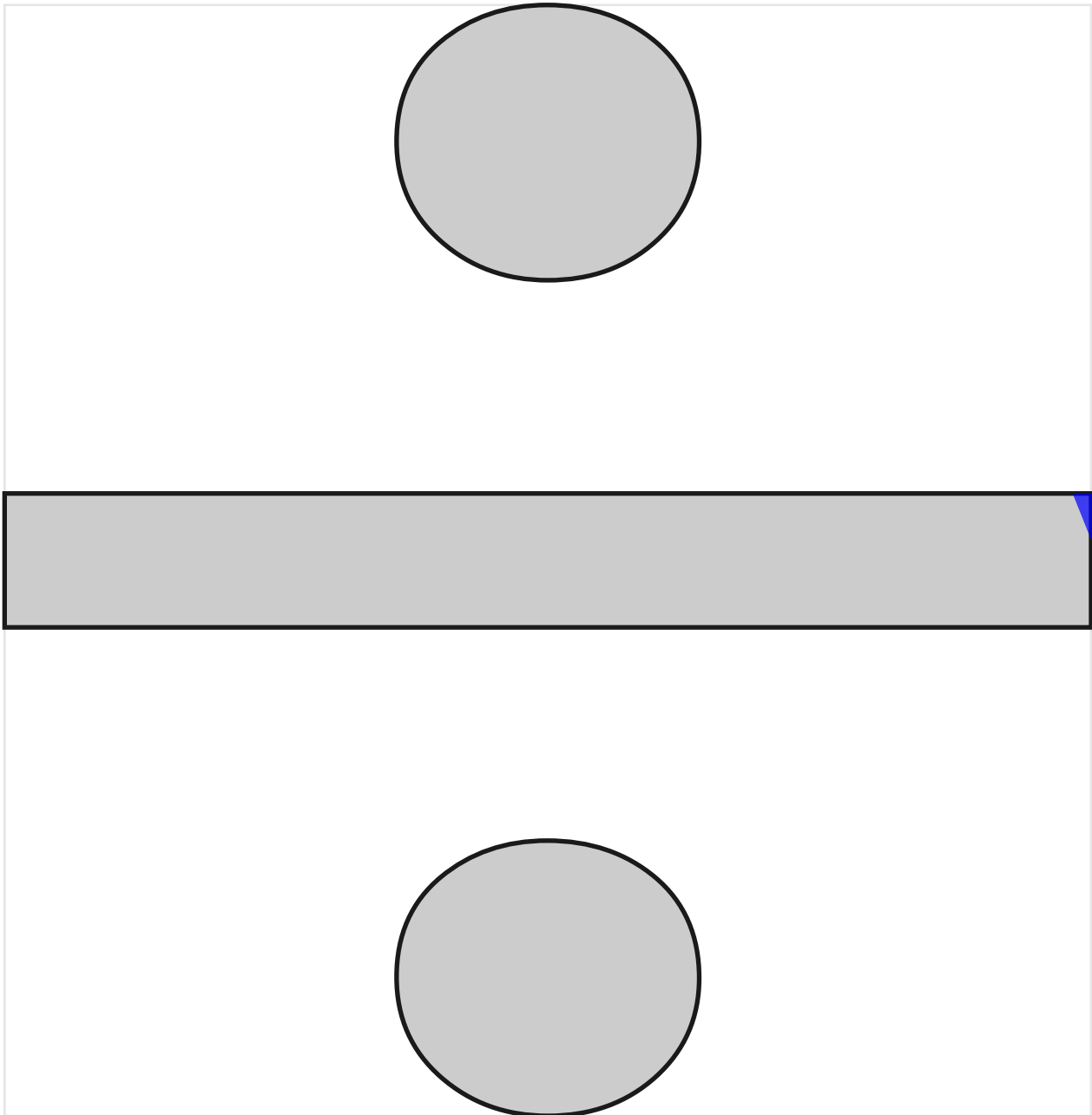


proposed fix

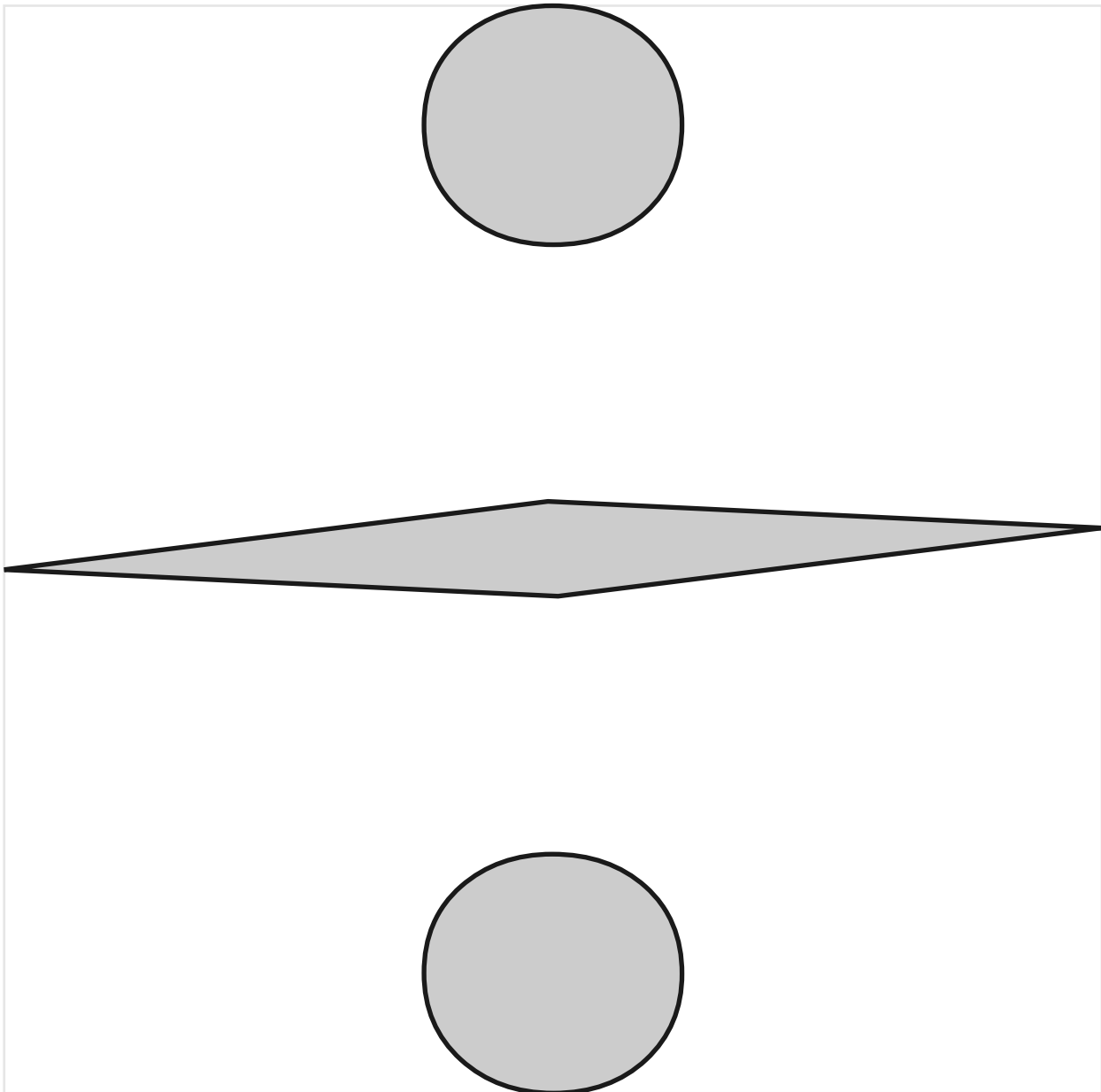


wrong\_start\_point

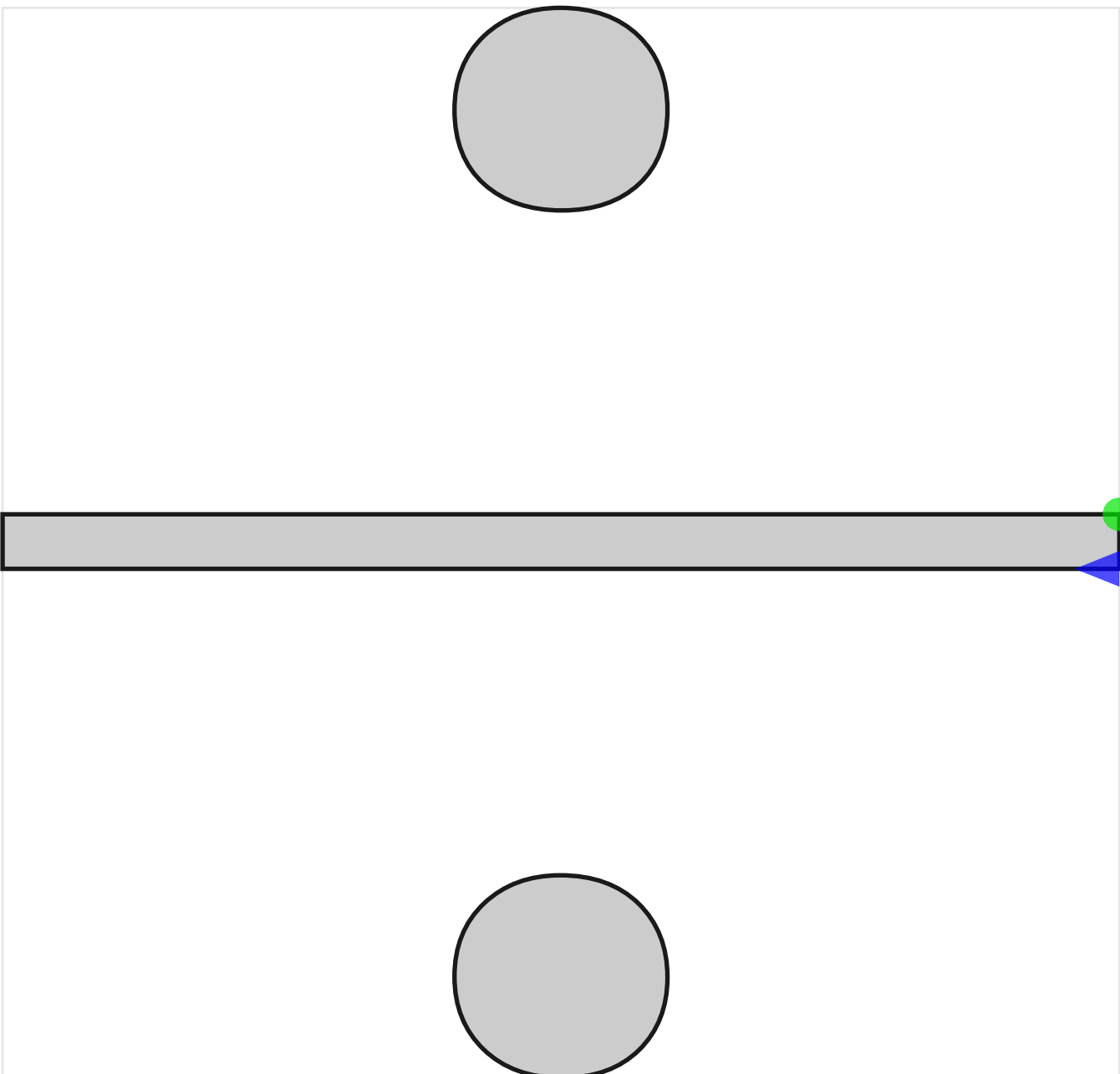
'GRAD=-50.0 width=150.0'



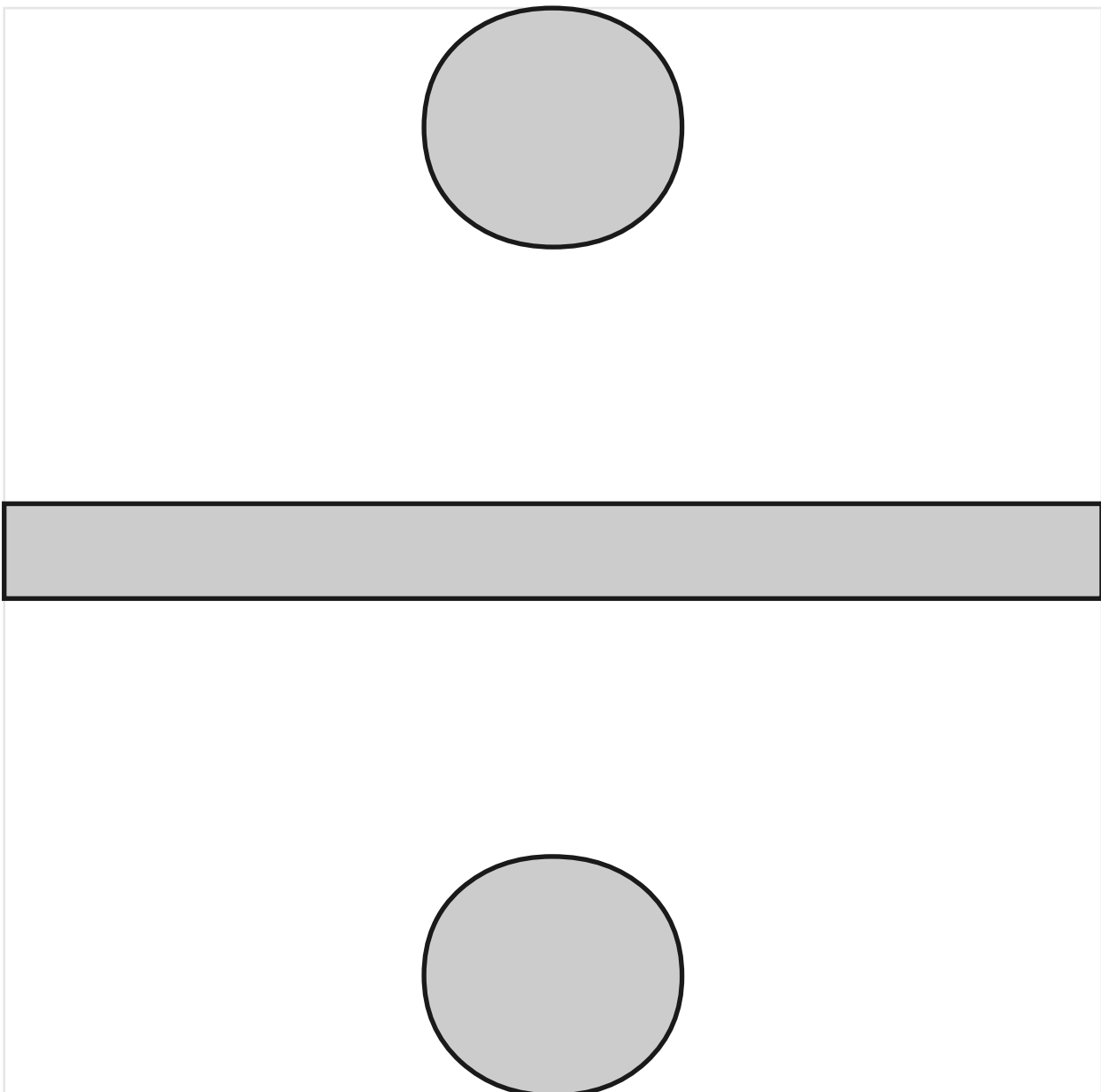
midway interpolation



'GRAD=-50.0 width=150.0 wght=100.0'

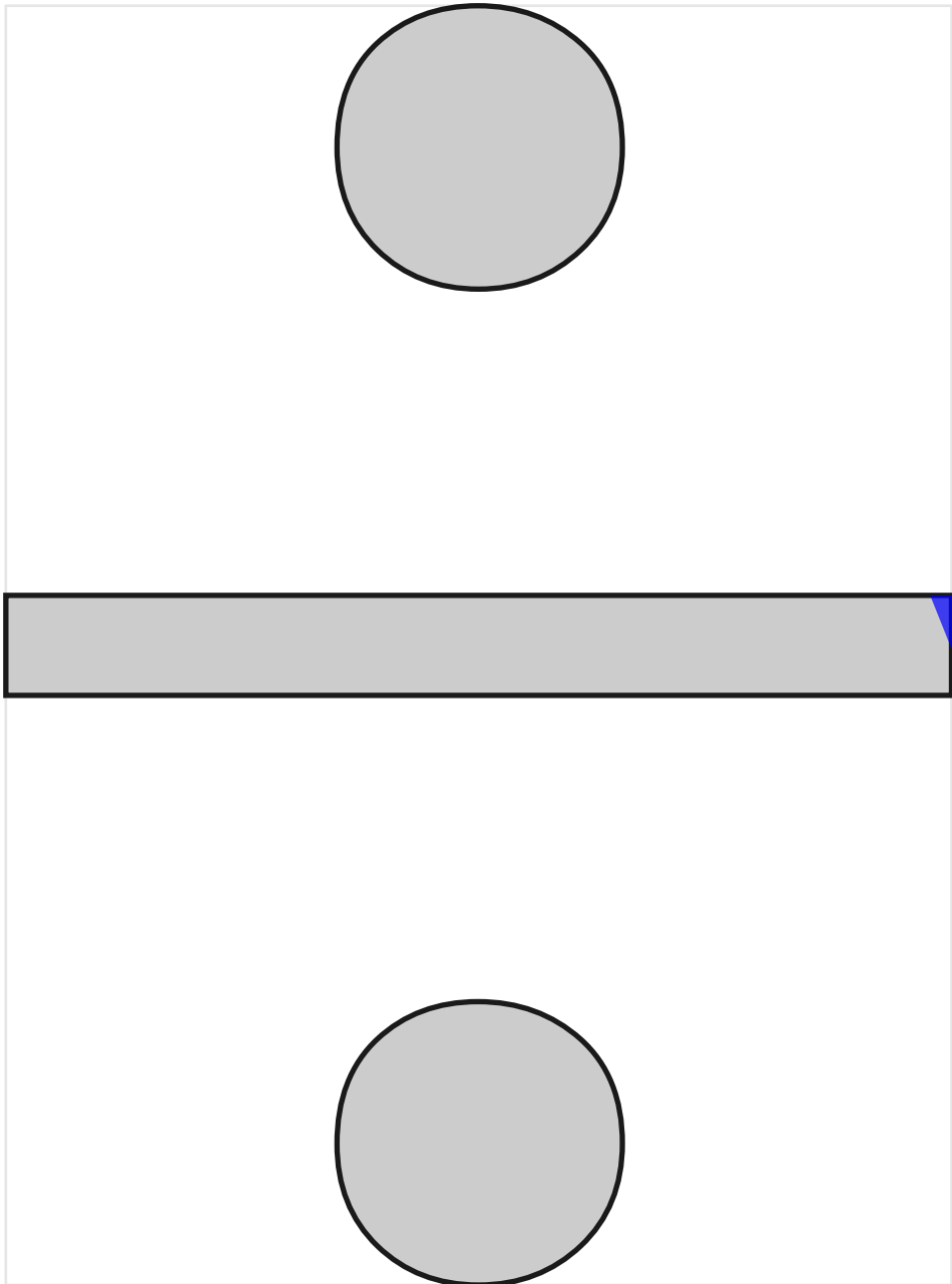


proposed fix

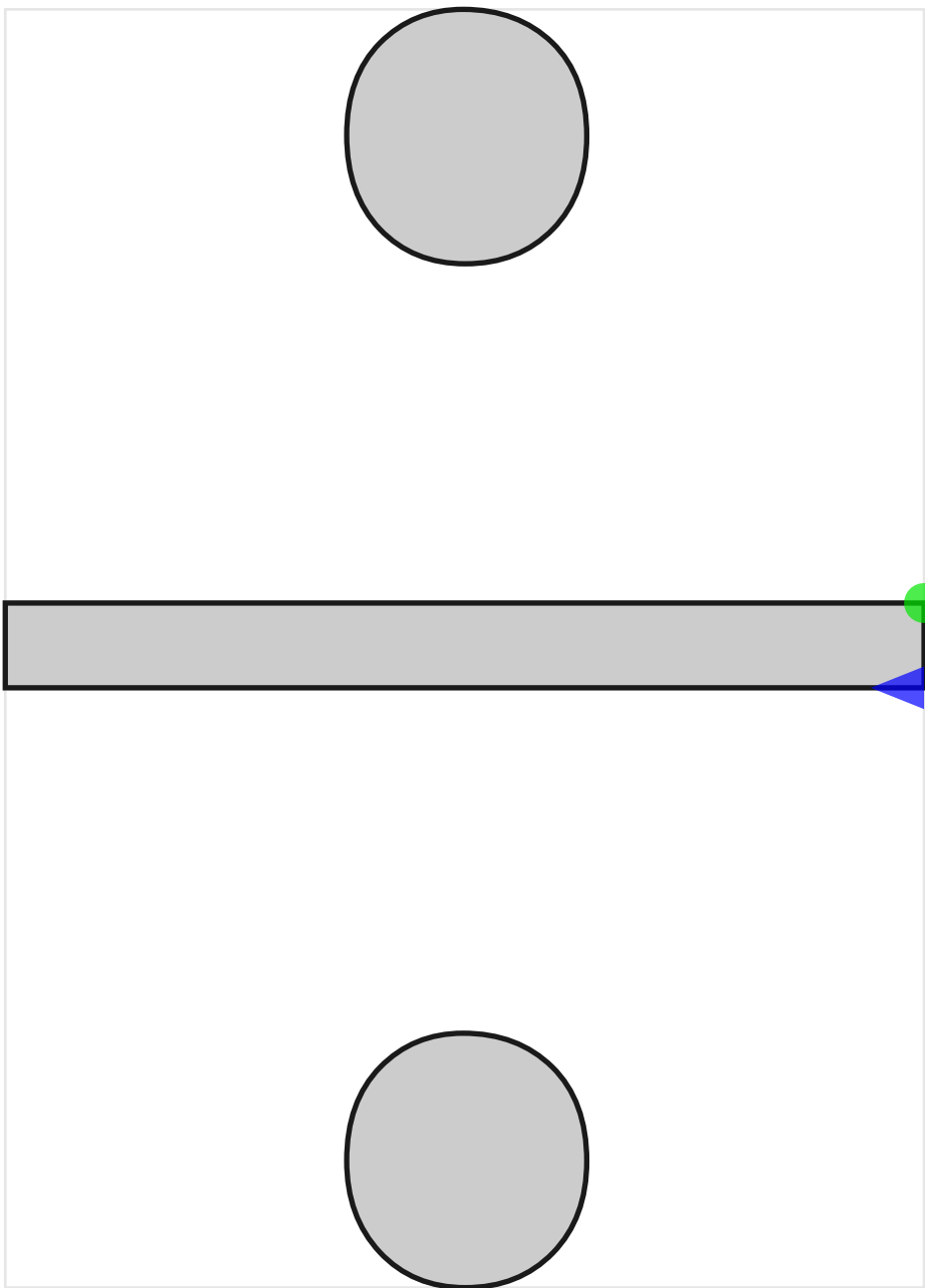


wrong\_start\_point

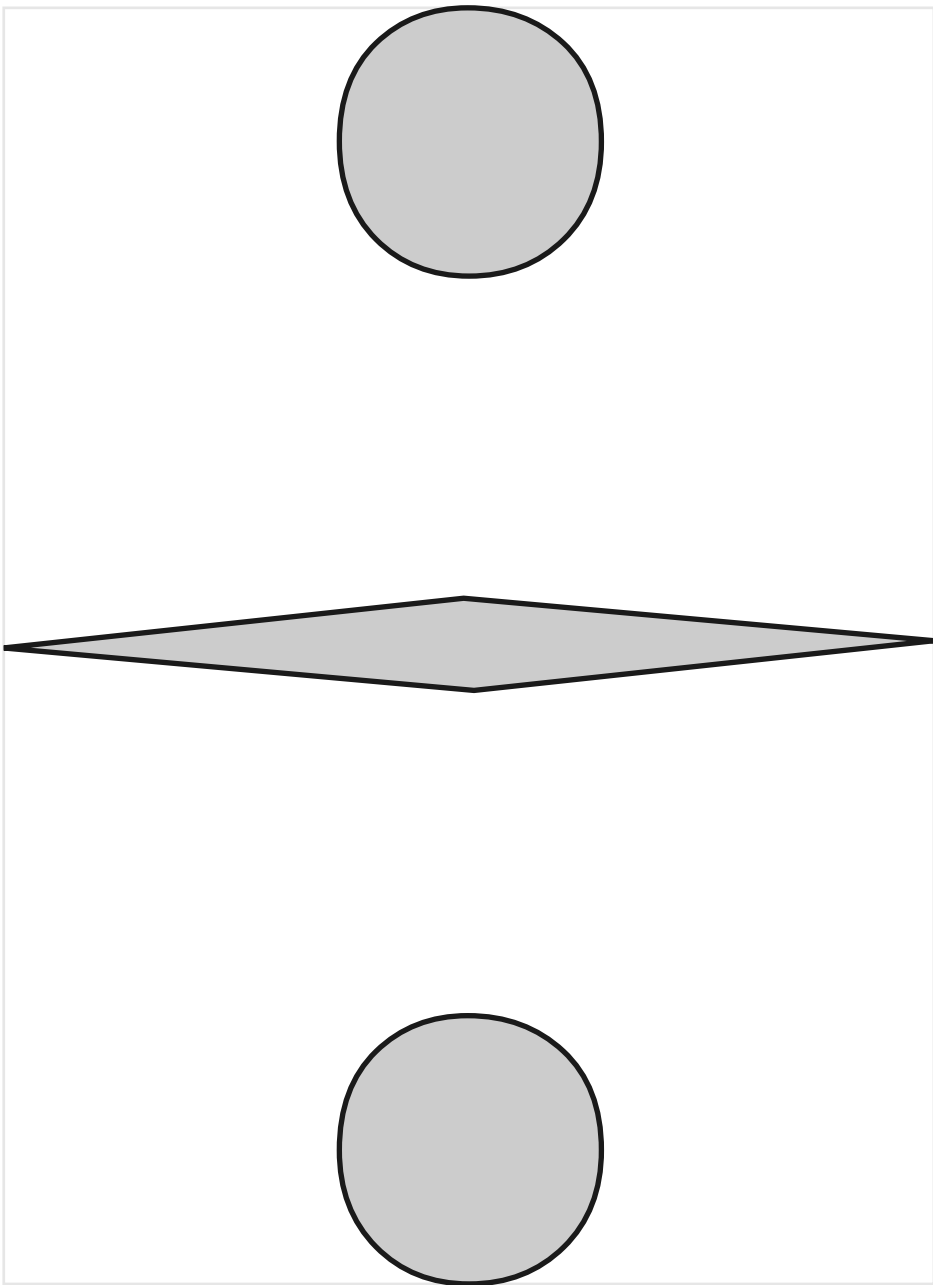
'GRAD=-50.0 opsz=8.0 width=50.0'



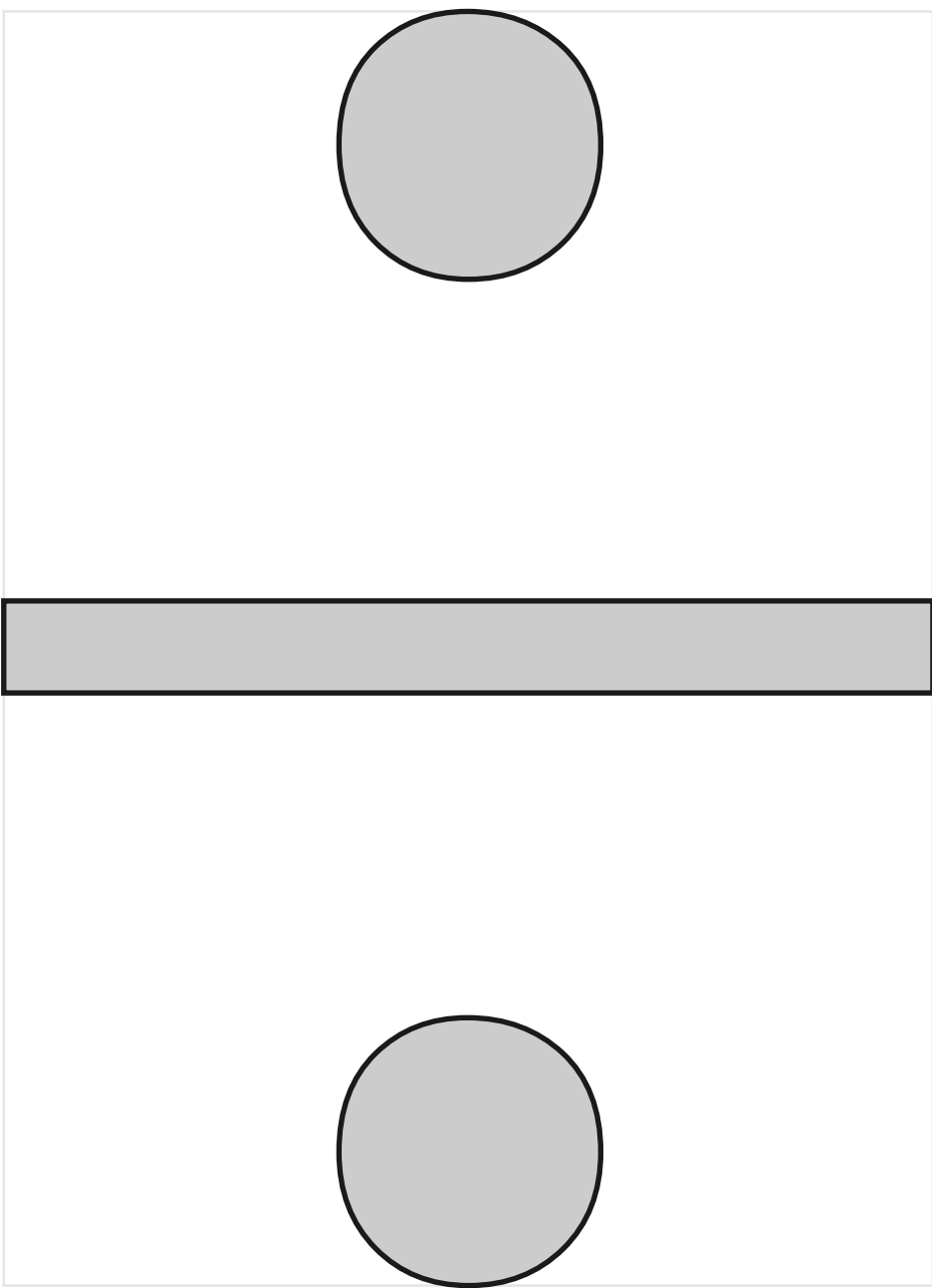
'GRAD=-50.0 opsz=8.0 width=50.0 wght=100.0'



midway interpolation

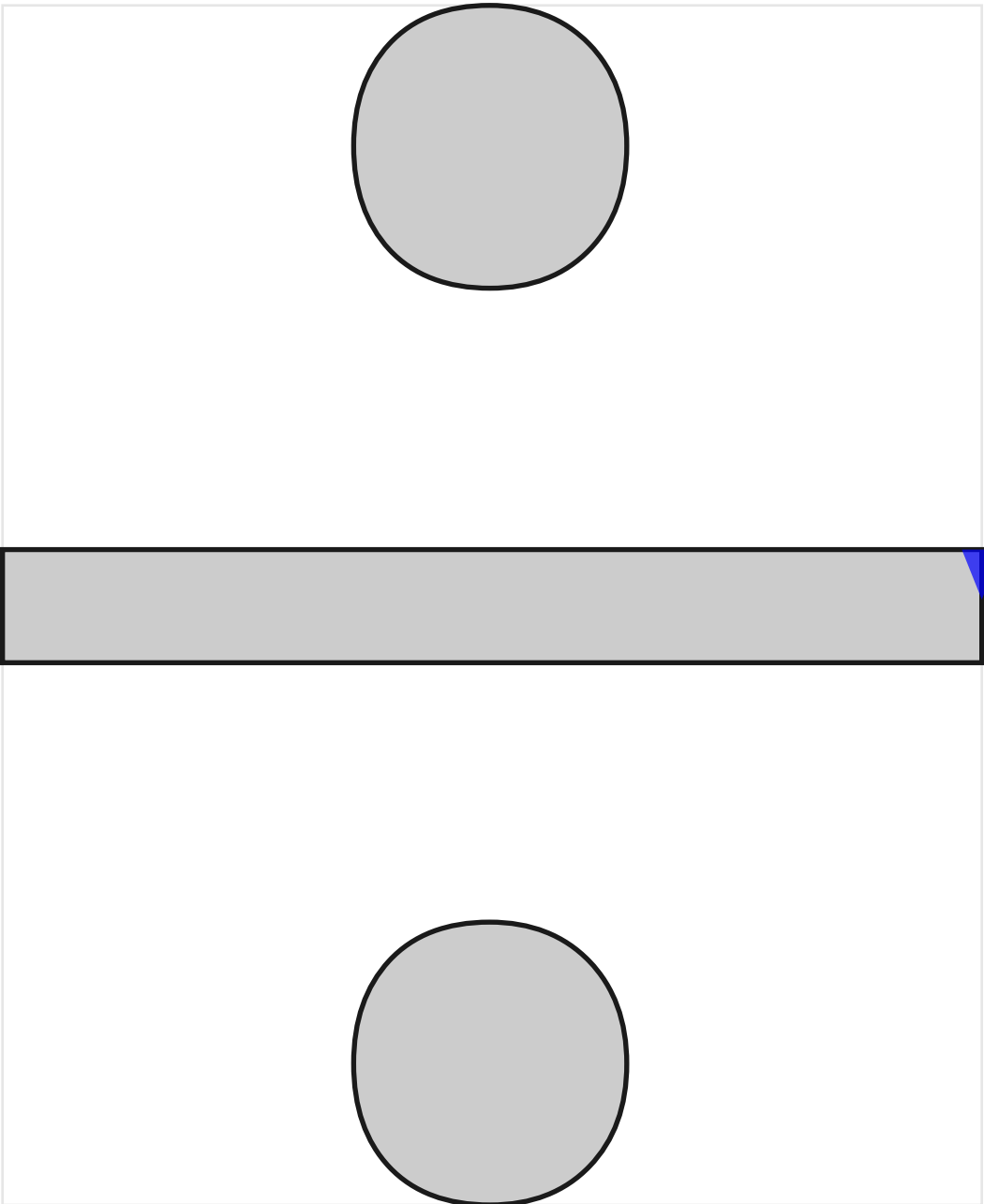


proposed fix

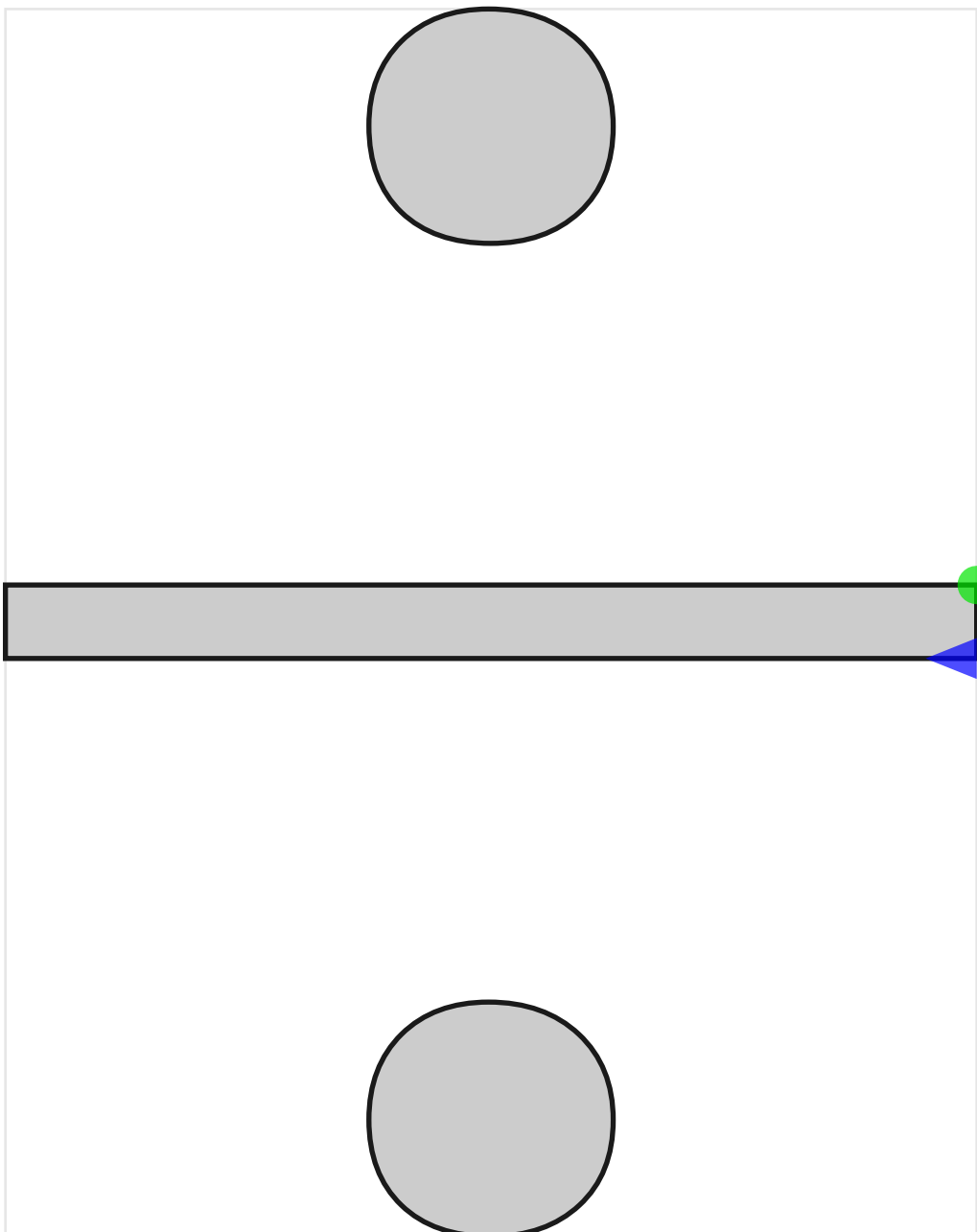


wrong\_start\_point

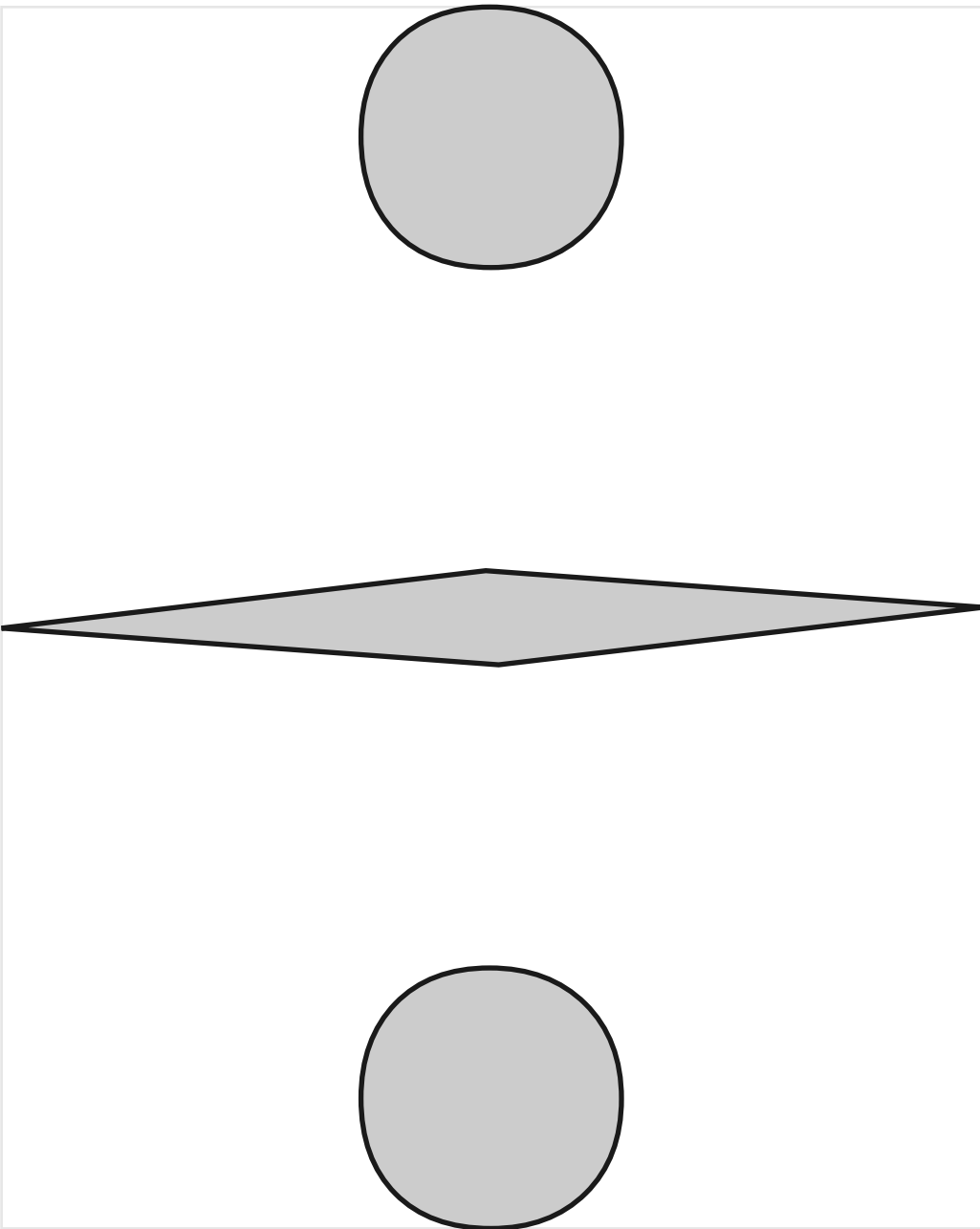
'GRAD=-50.0 opsz=8.0 width=150.0'



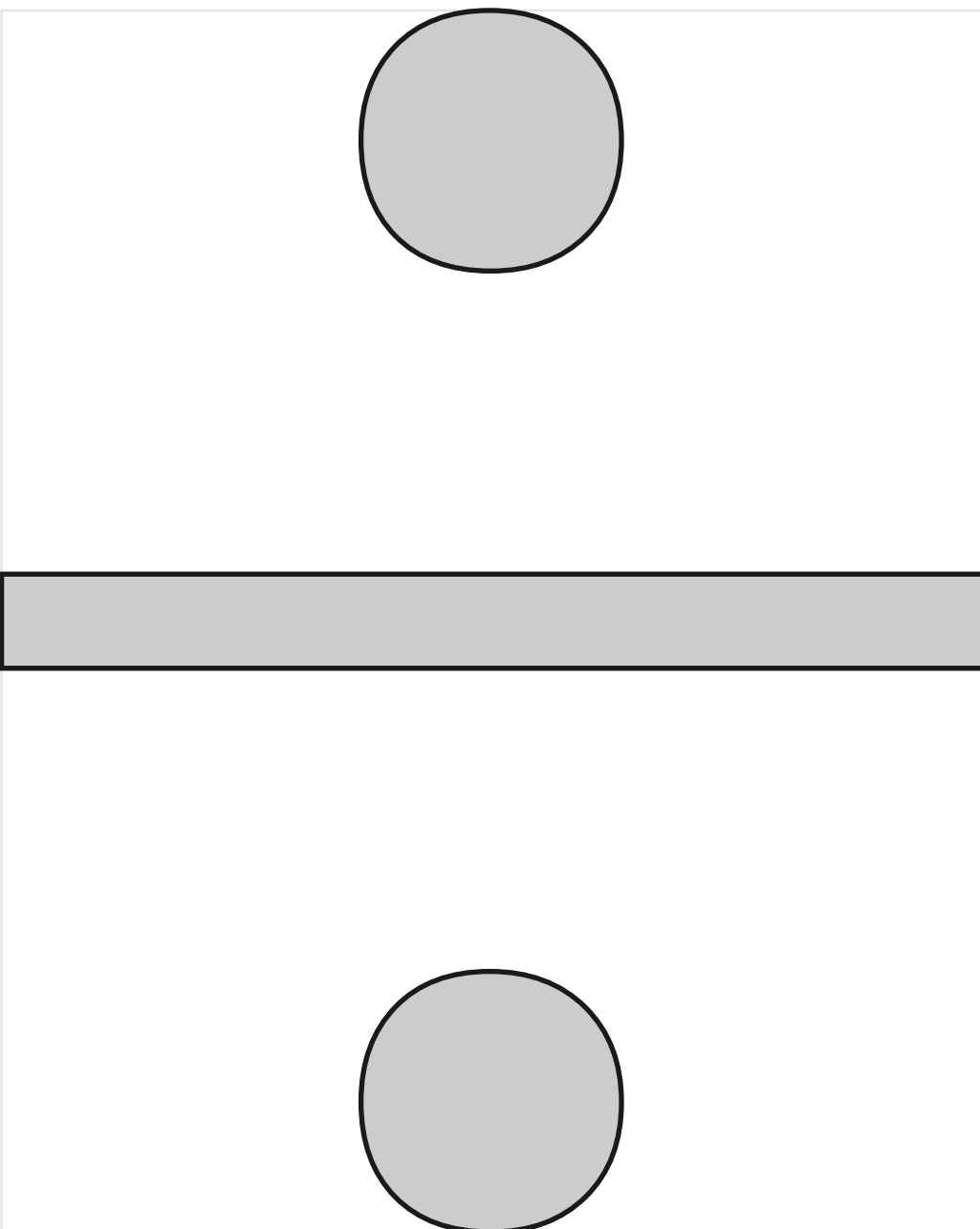
'GRAD=-50.0 opsz=8.0 width=150.0 wght=100.0'



midway interpolation



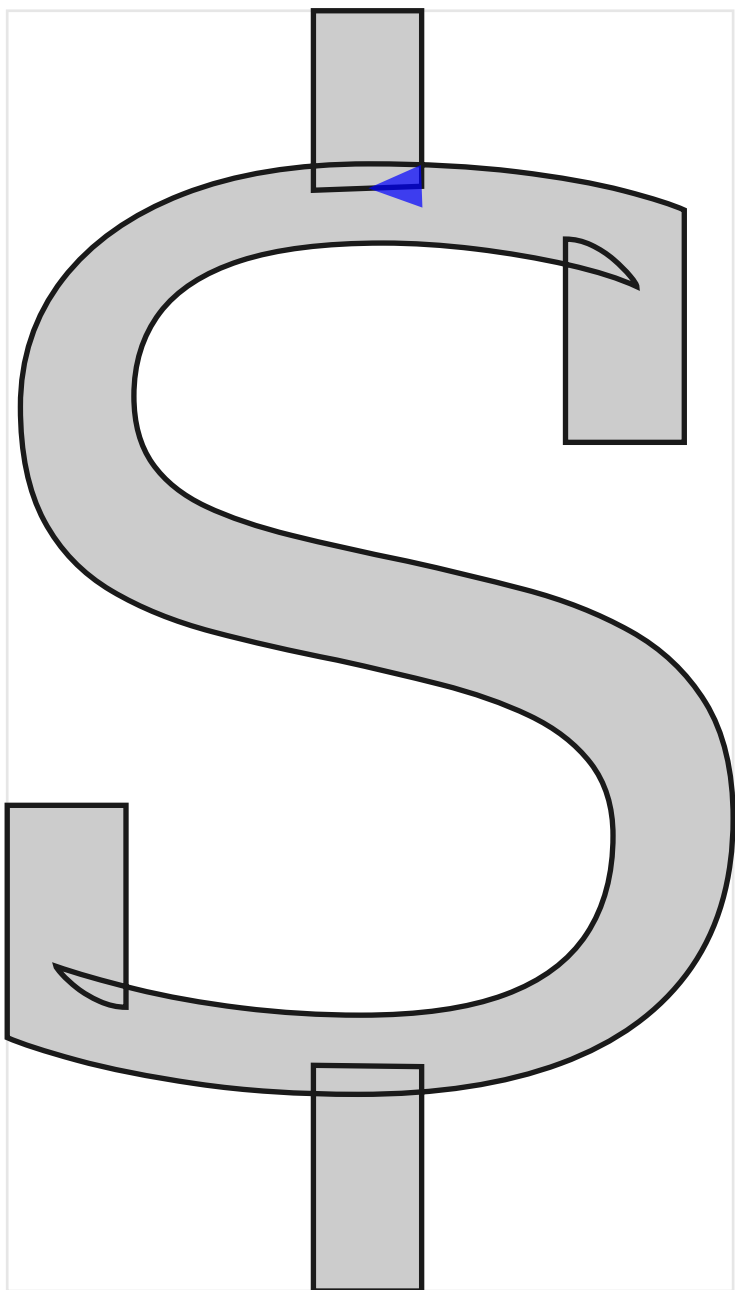
proposed fix



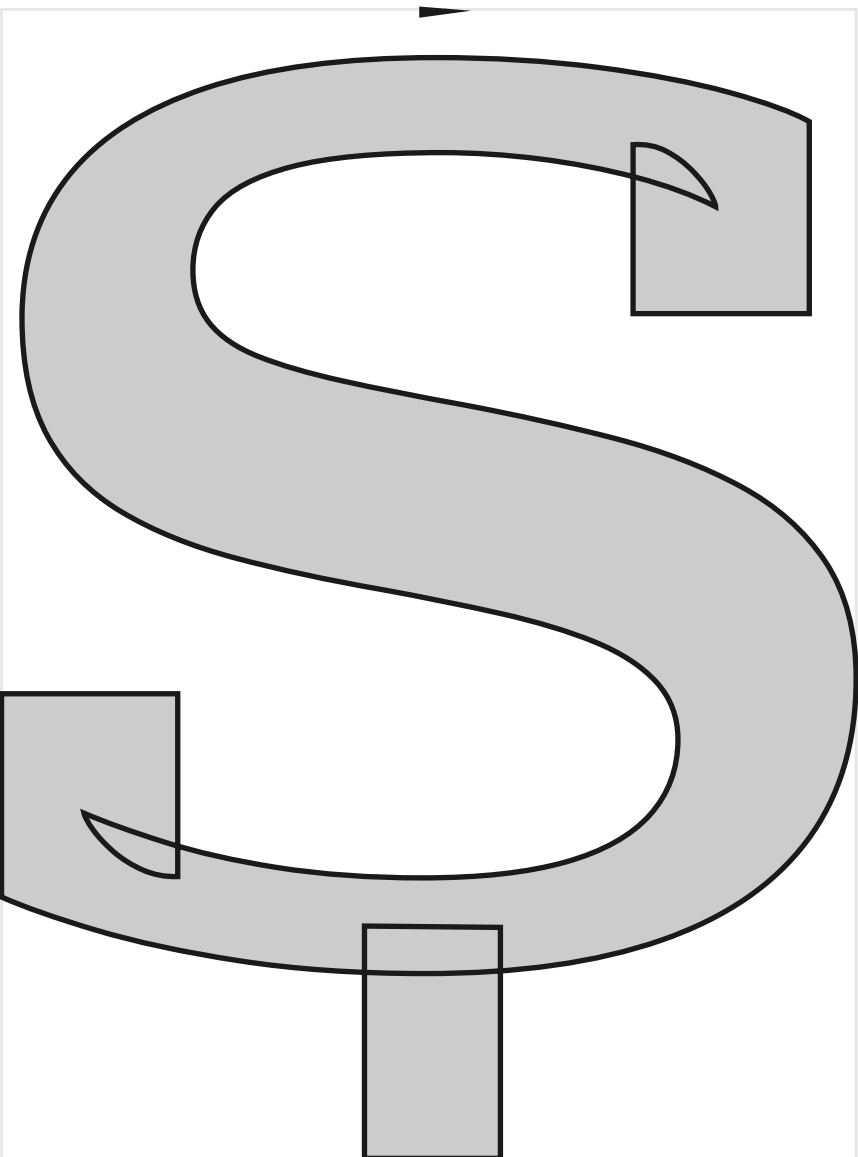


wrong\_start\_point

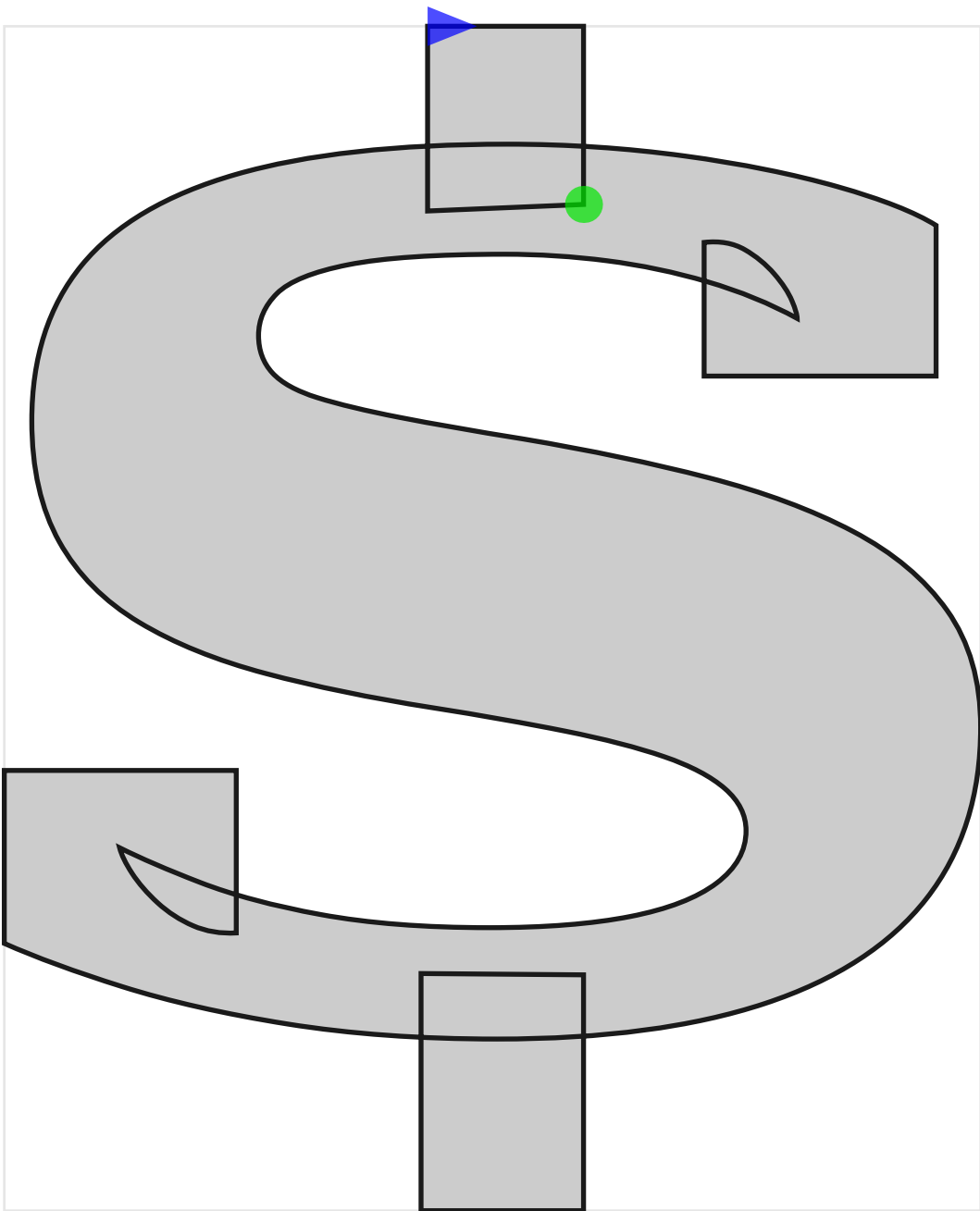
'opsz=8.0 width=150.0'



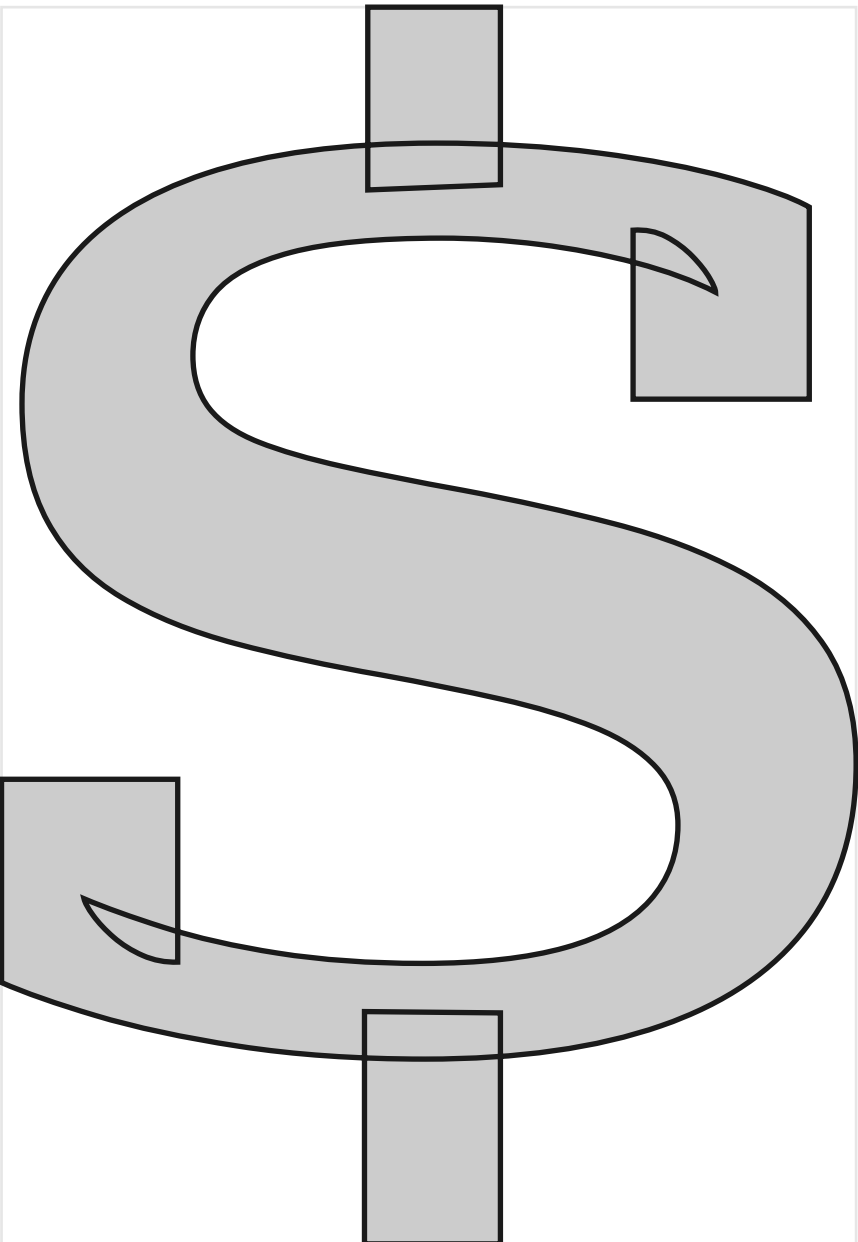
midway interpolation



'opsz=8.0 width=150.0 wght=900.0'



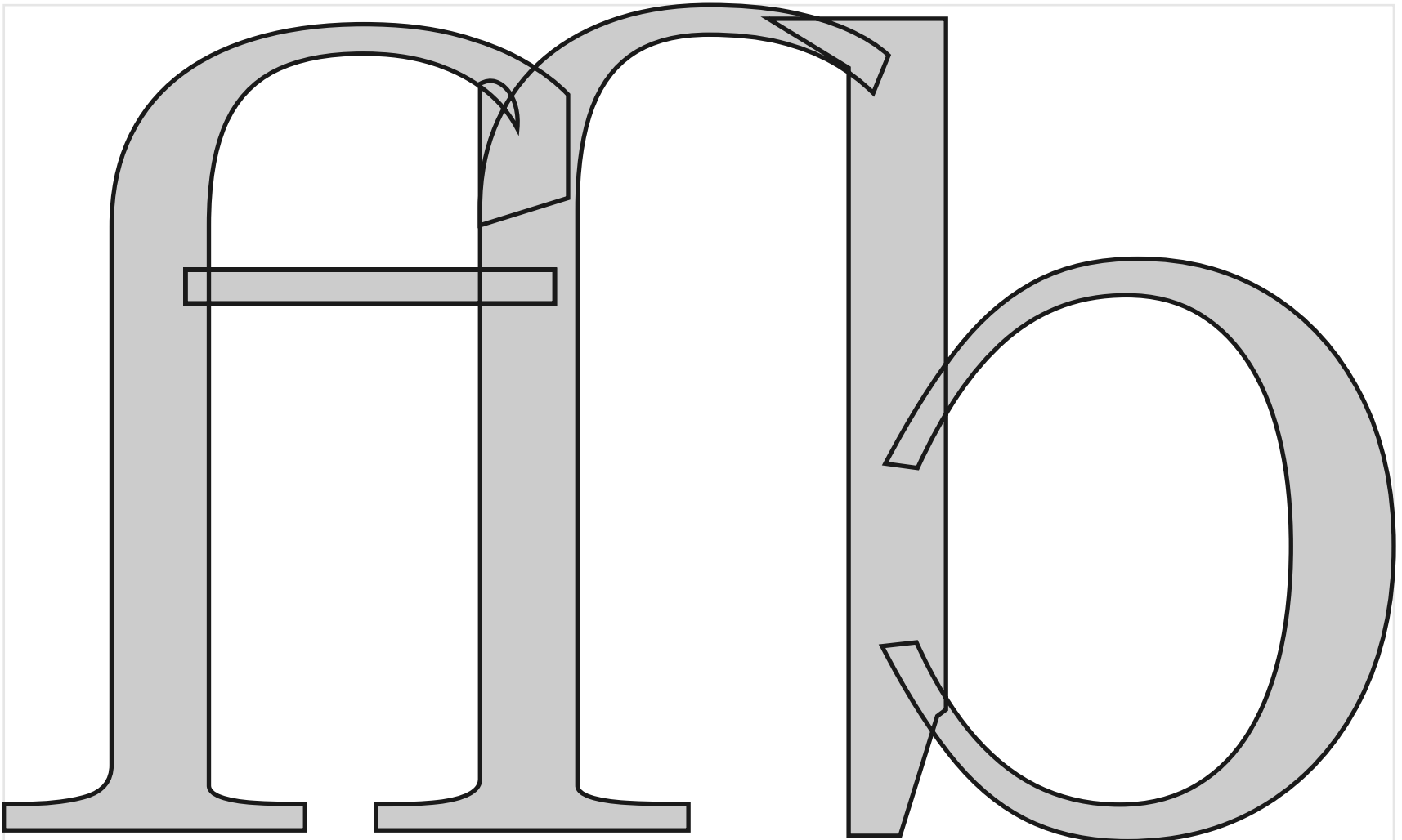
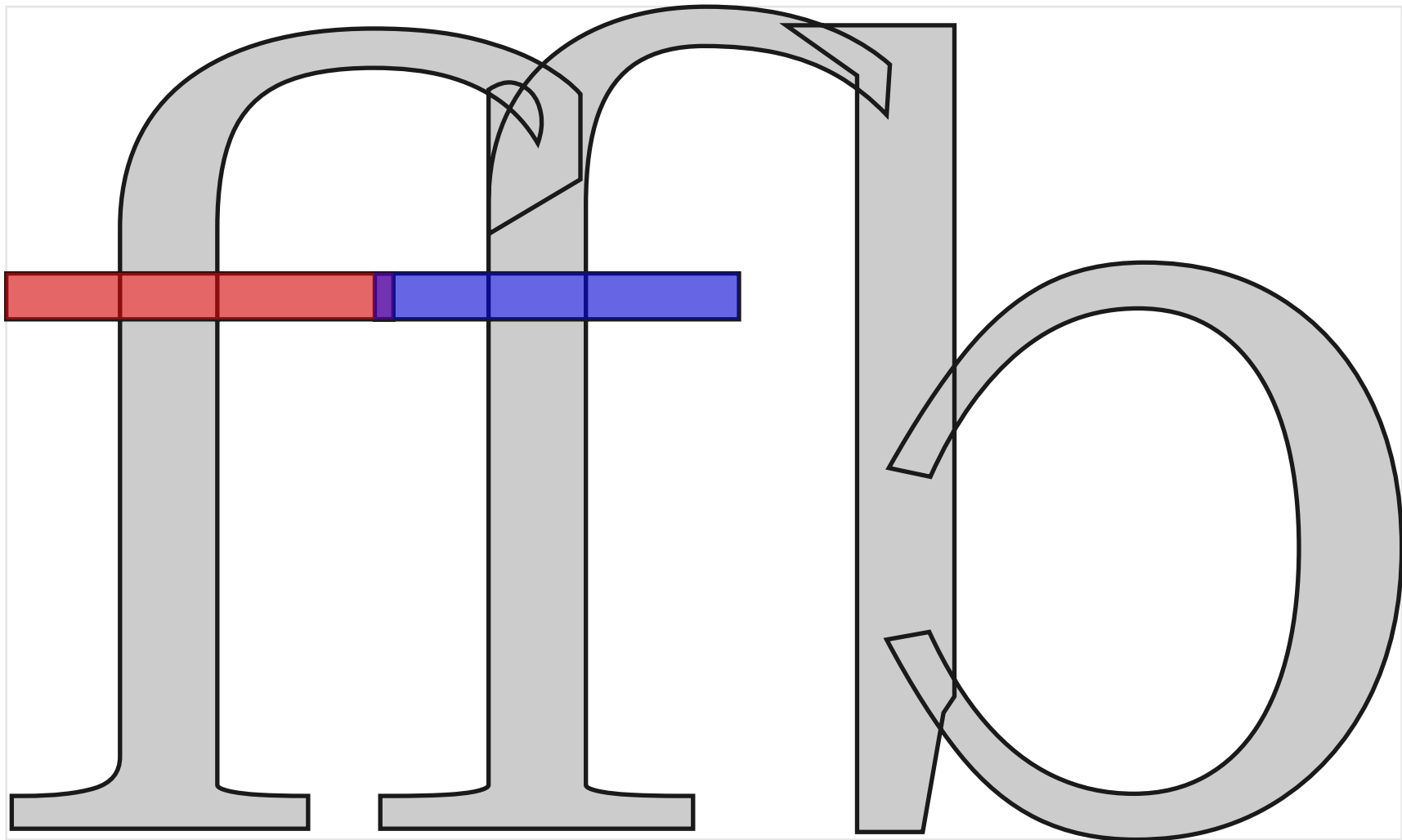
proposed fix



contour\_order

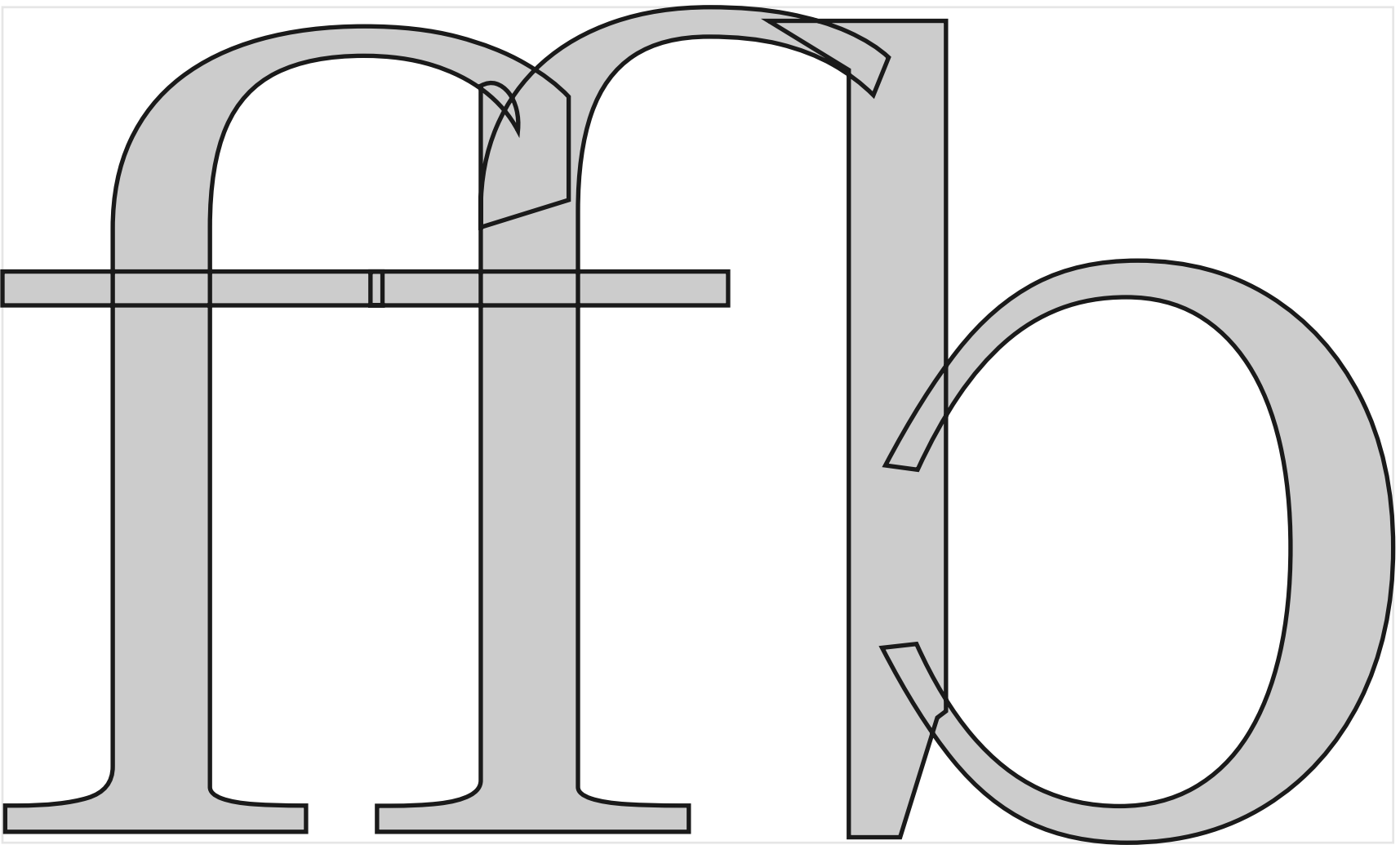
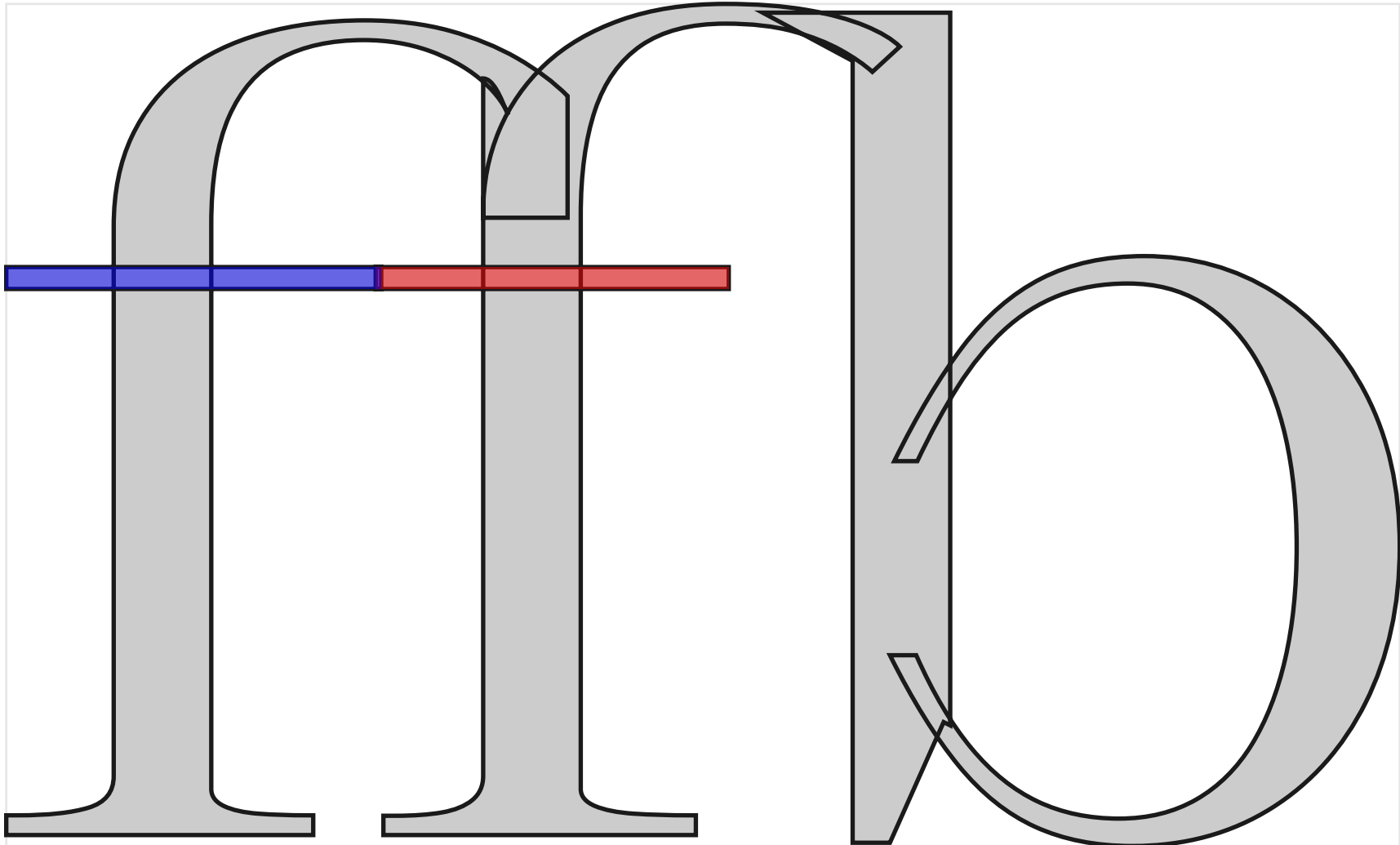
'GRAD=-50.0'

midway interpolation



'GRAD=-50.0 opsz=144.0'

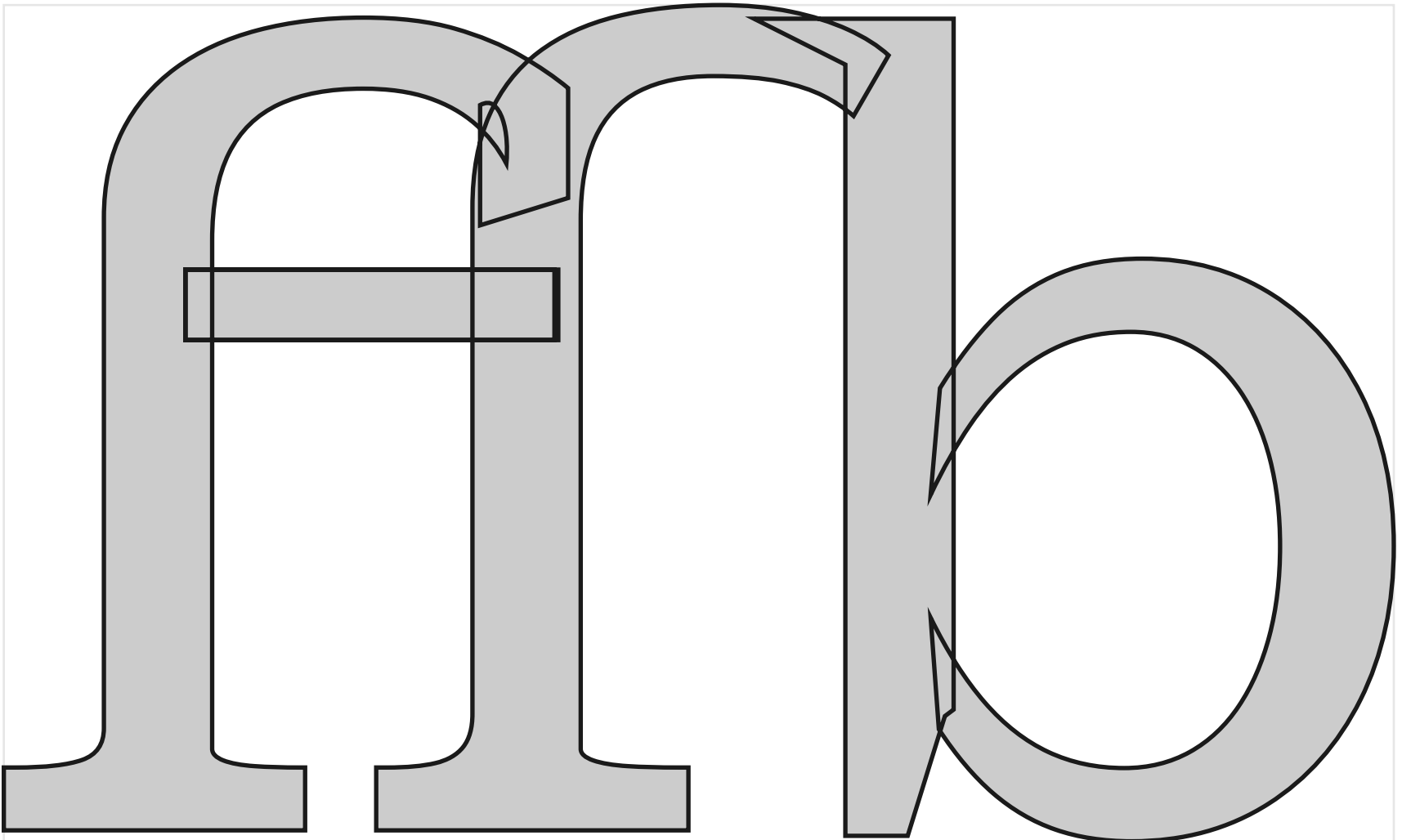
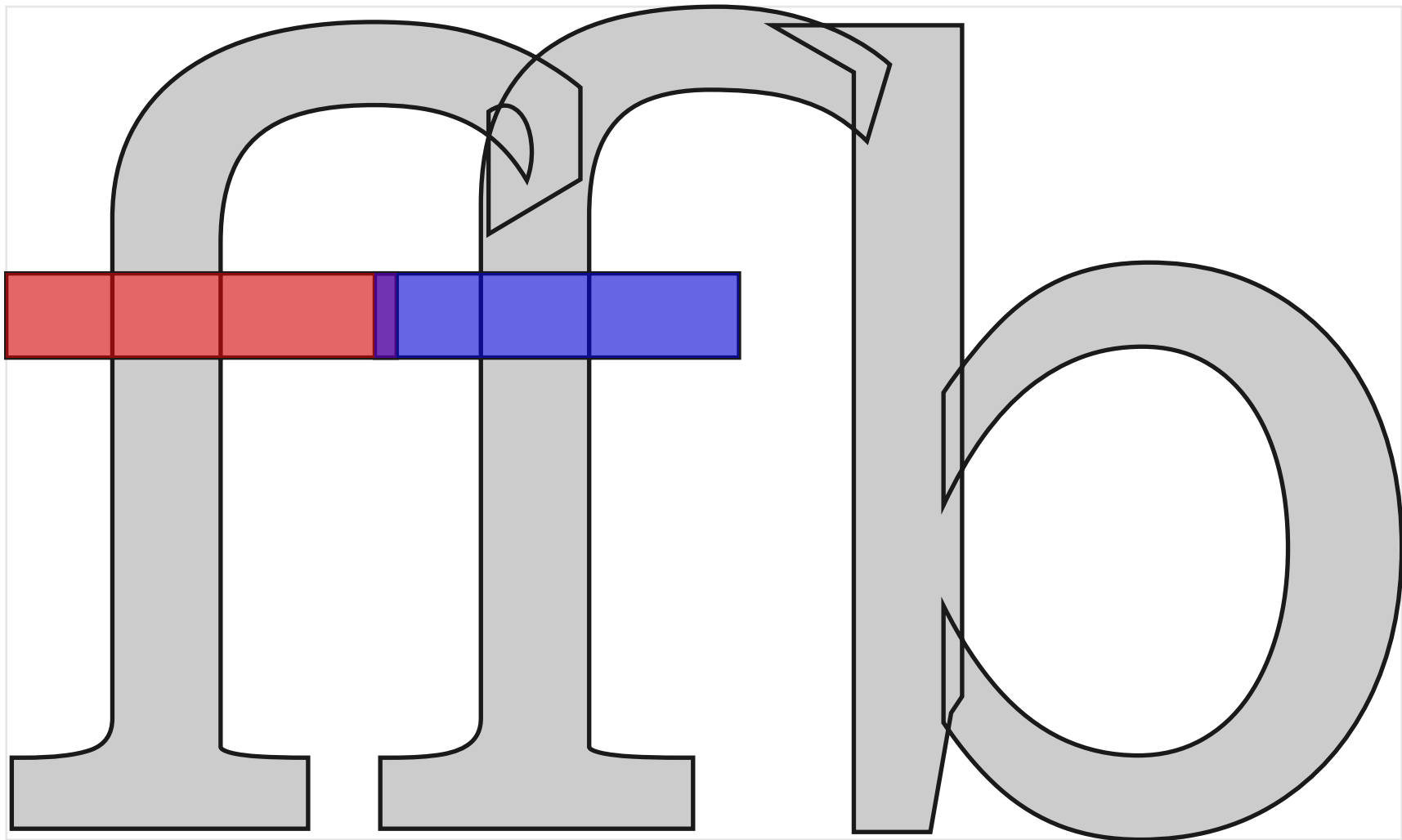
proposed fix



contour\_order

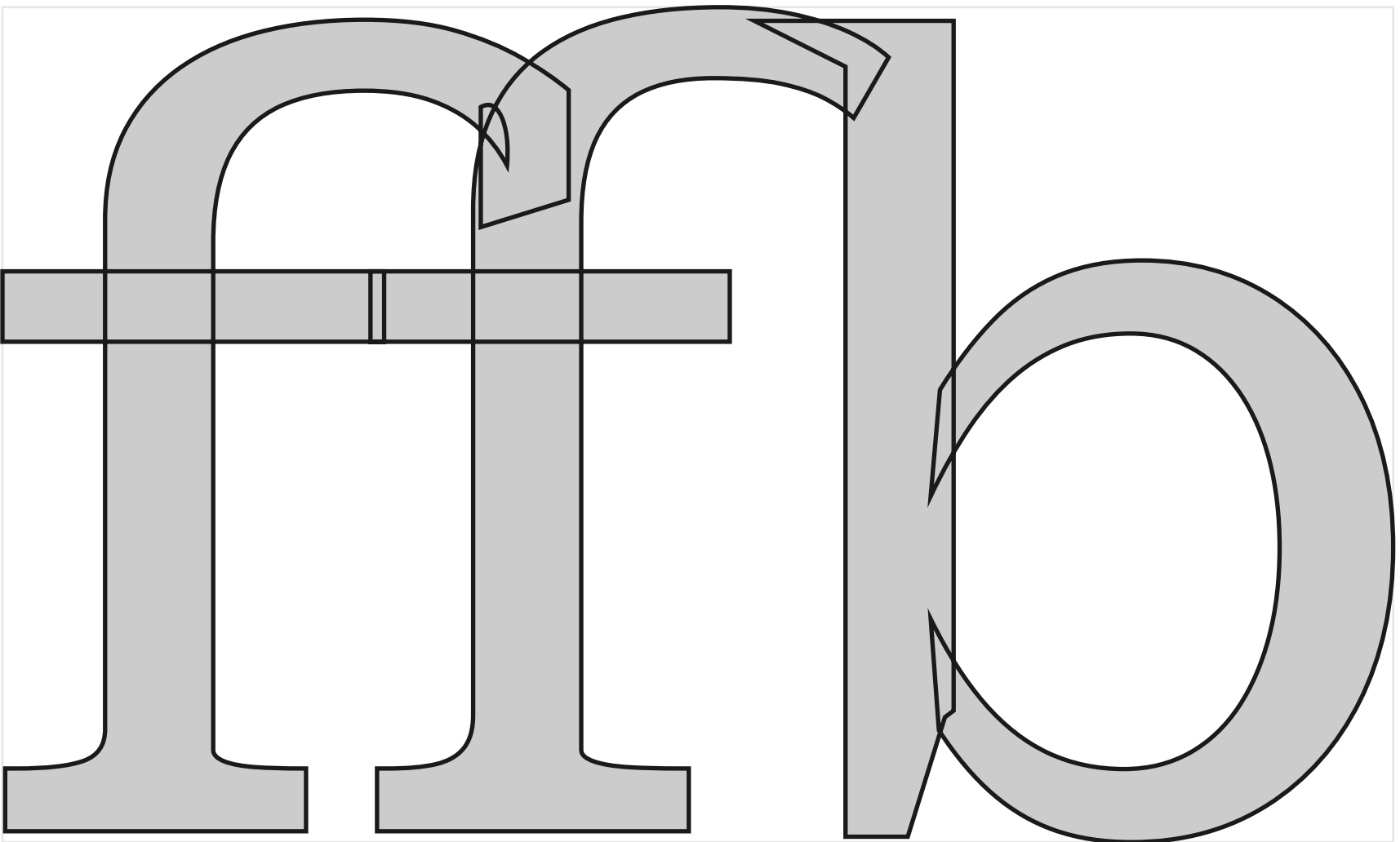
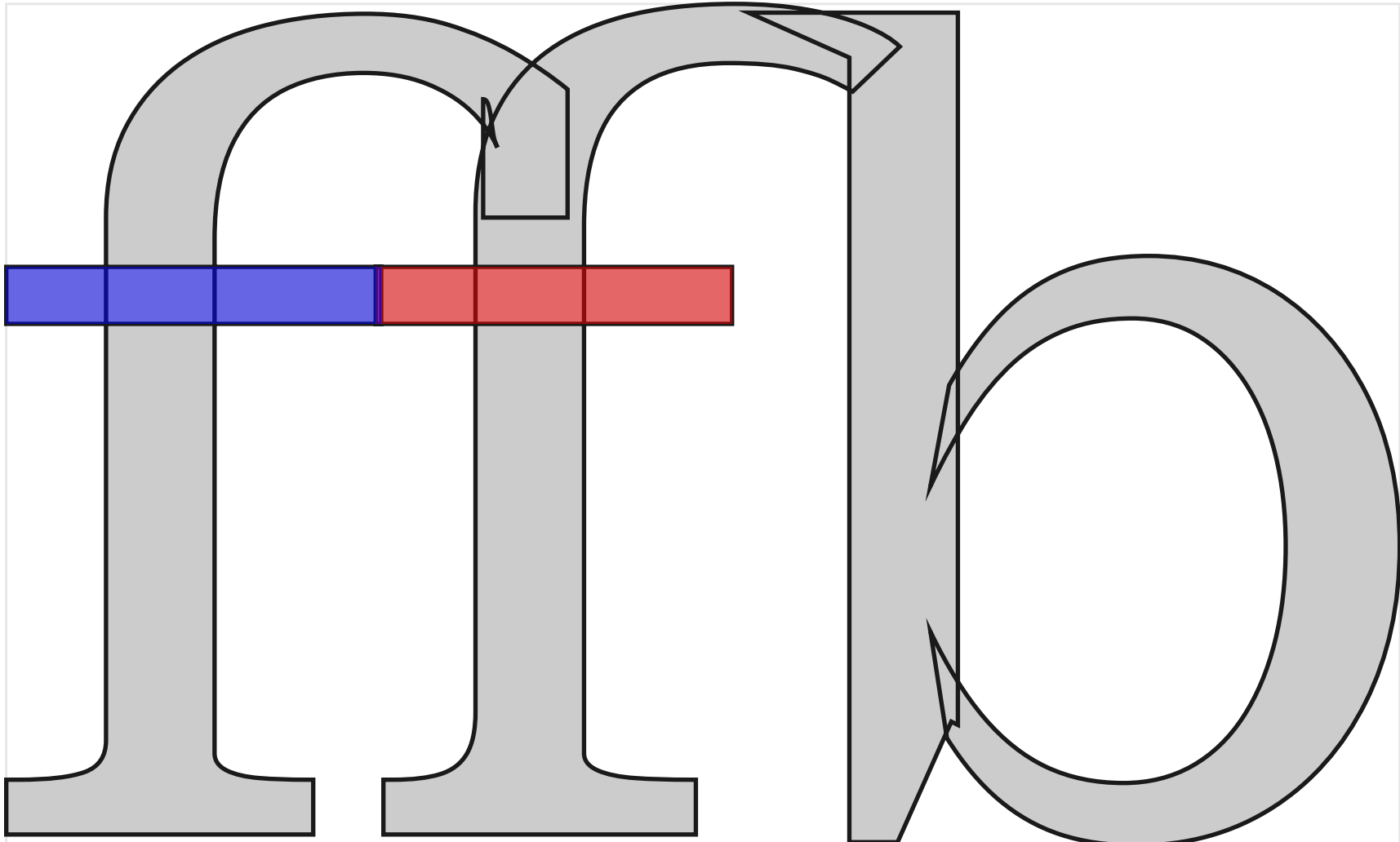
'GRAD=100.0'

midway interpolation



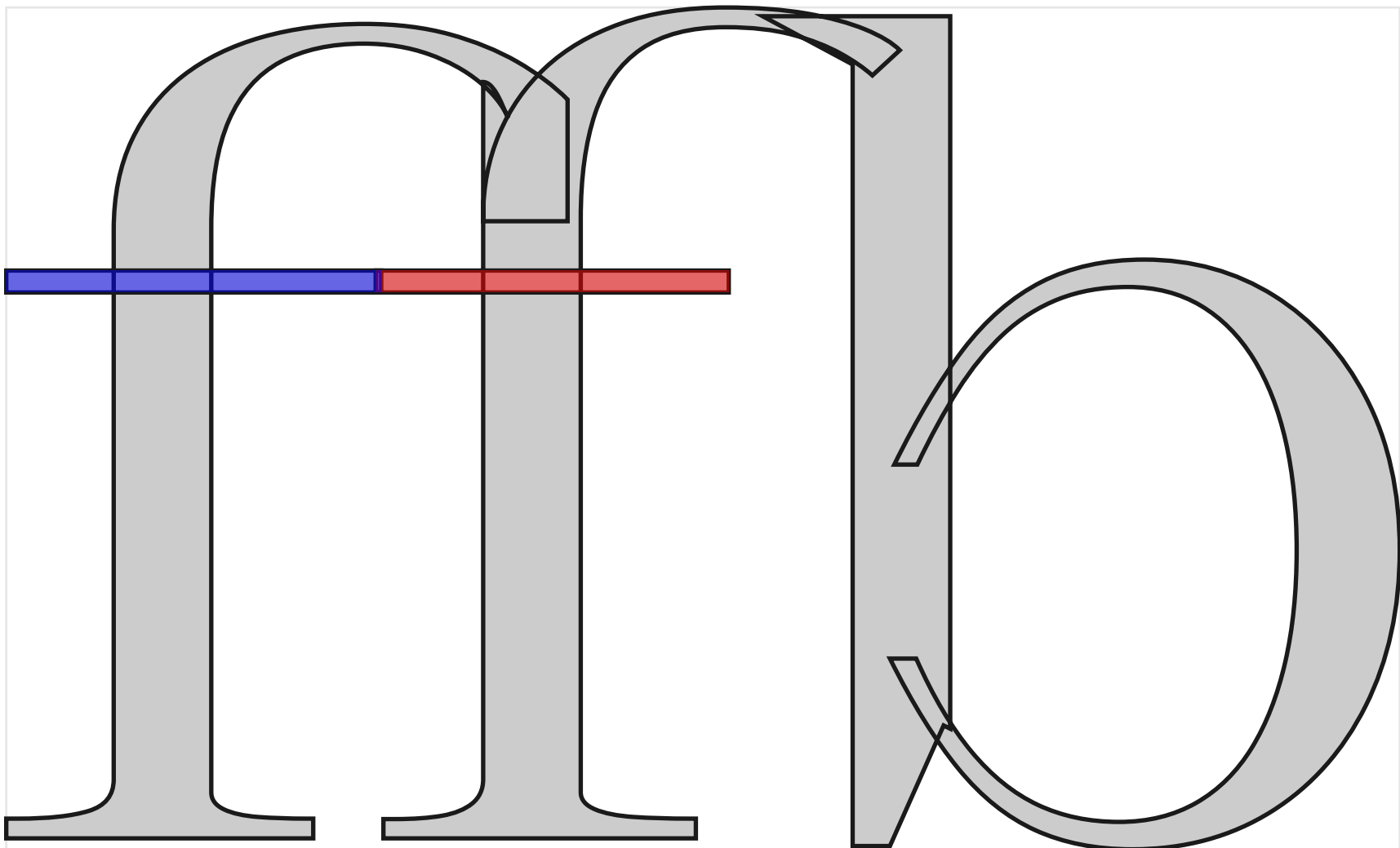
'GRAD=100.0 opsz=144.0'

proposed fix

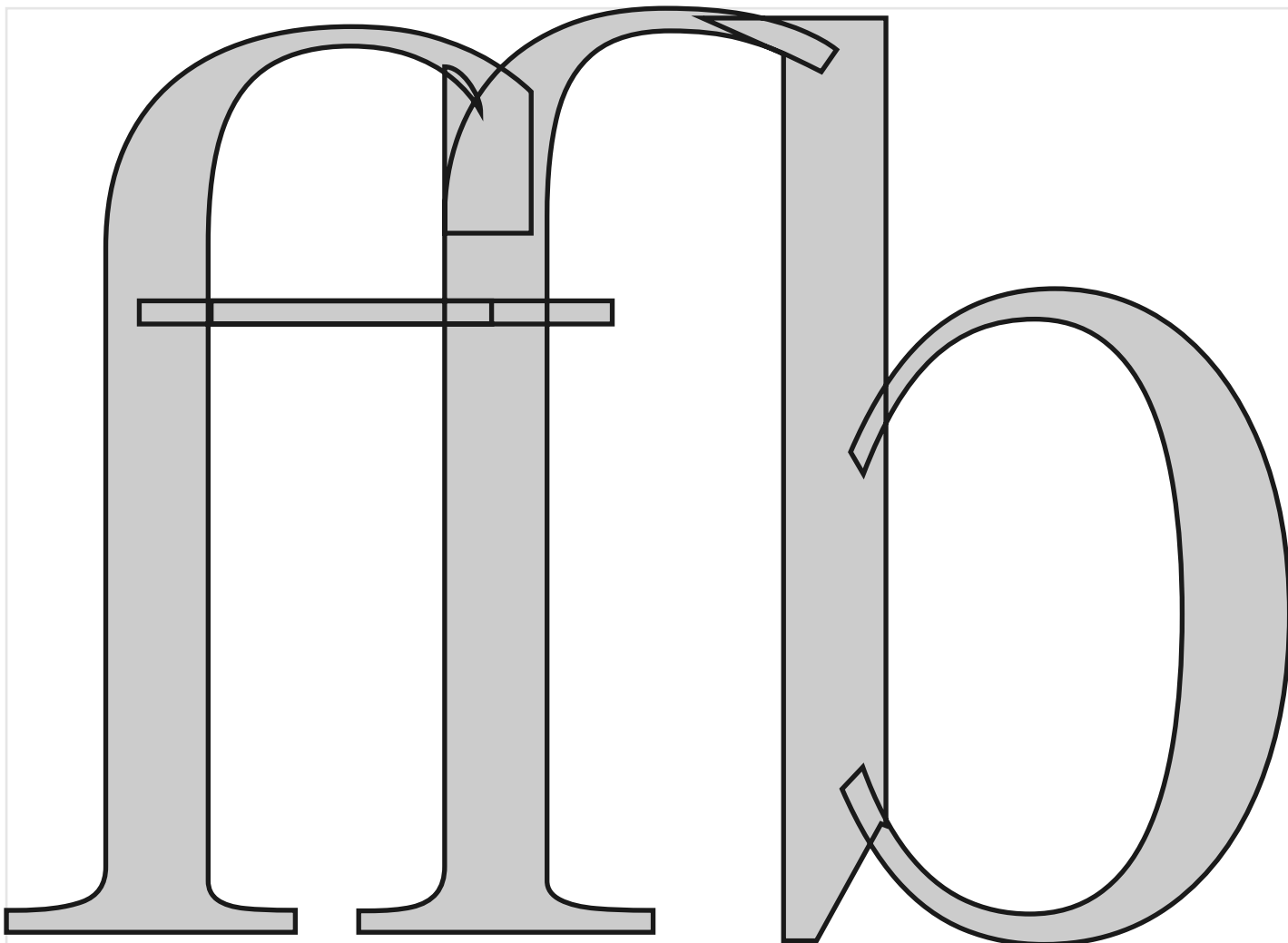


contour\_order

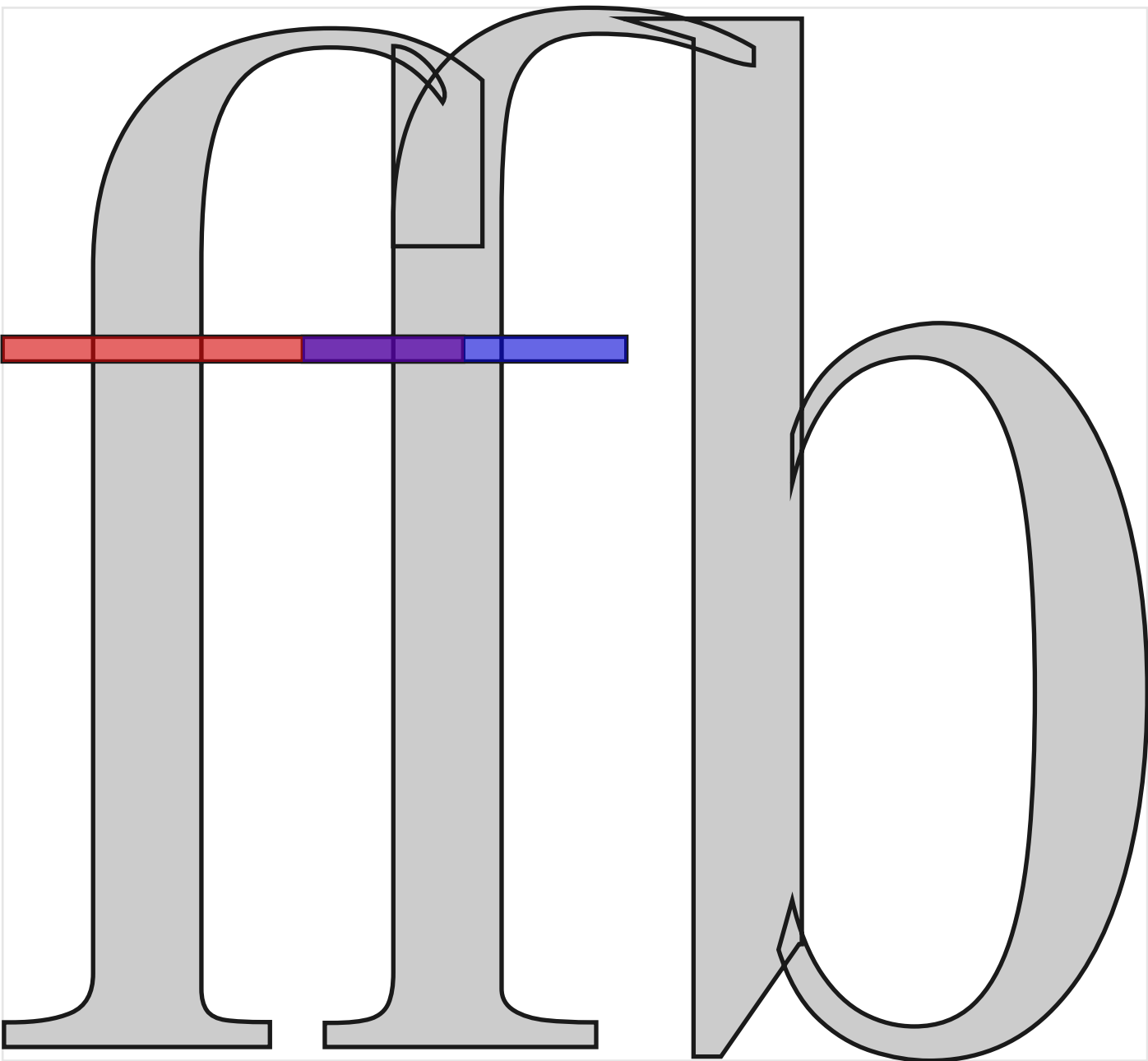
'GRAD=-50.0 opsz=144.0'



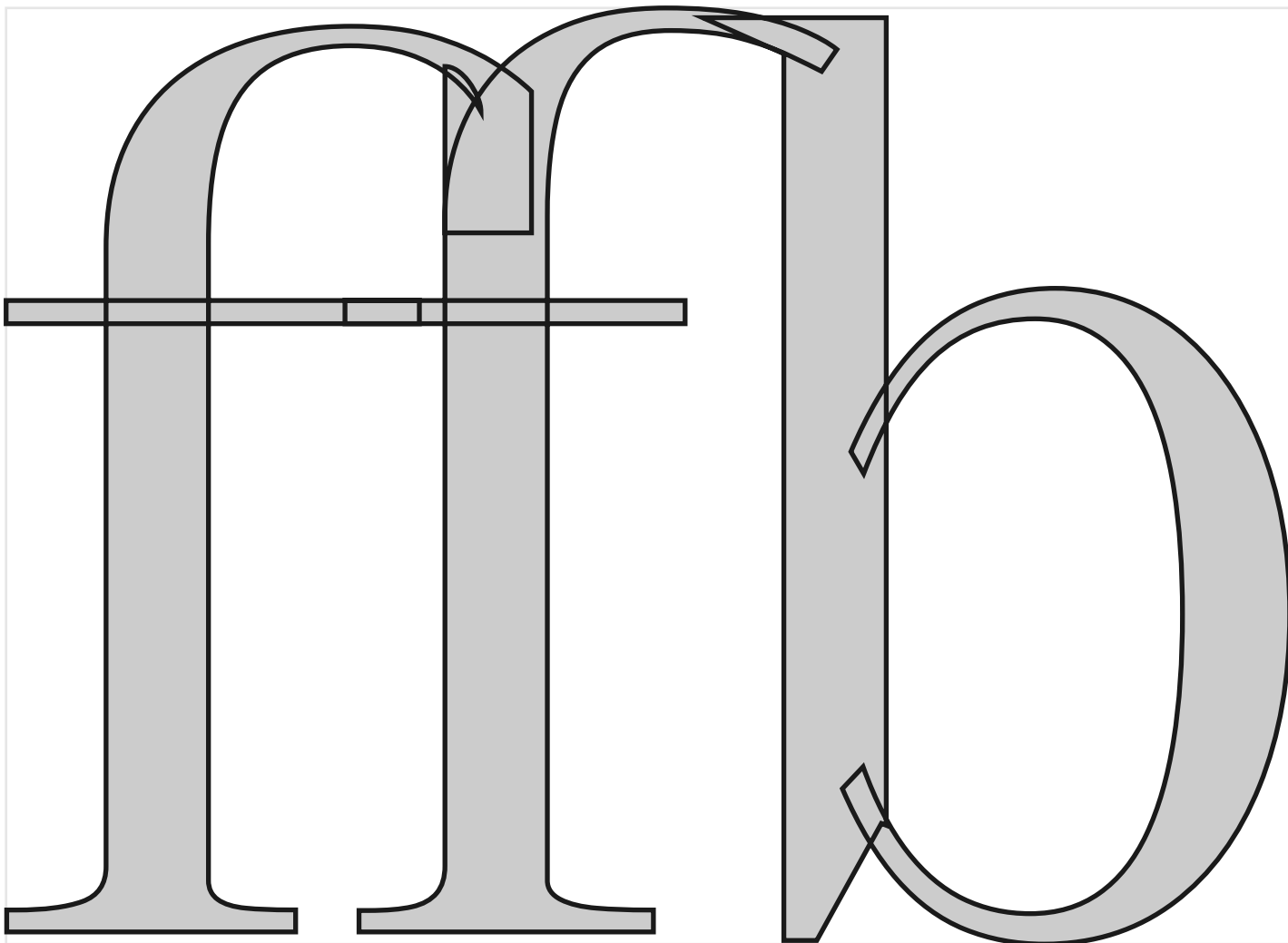
midway interpolation



'GRAD=-50.0 opsz=144.0 width=50.0'

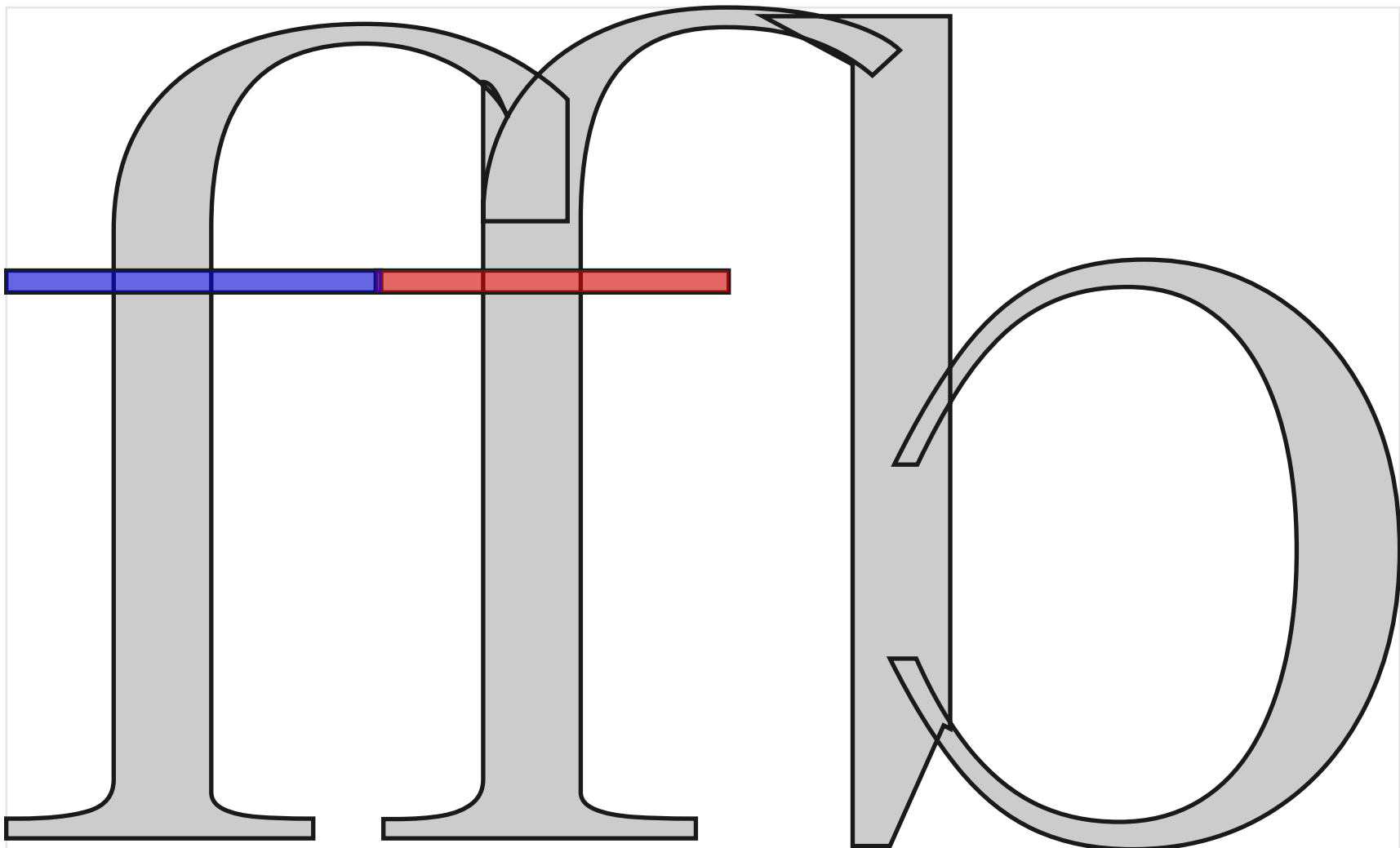


proposed fix

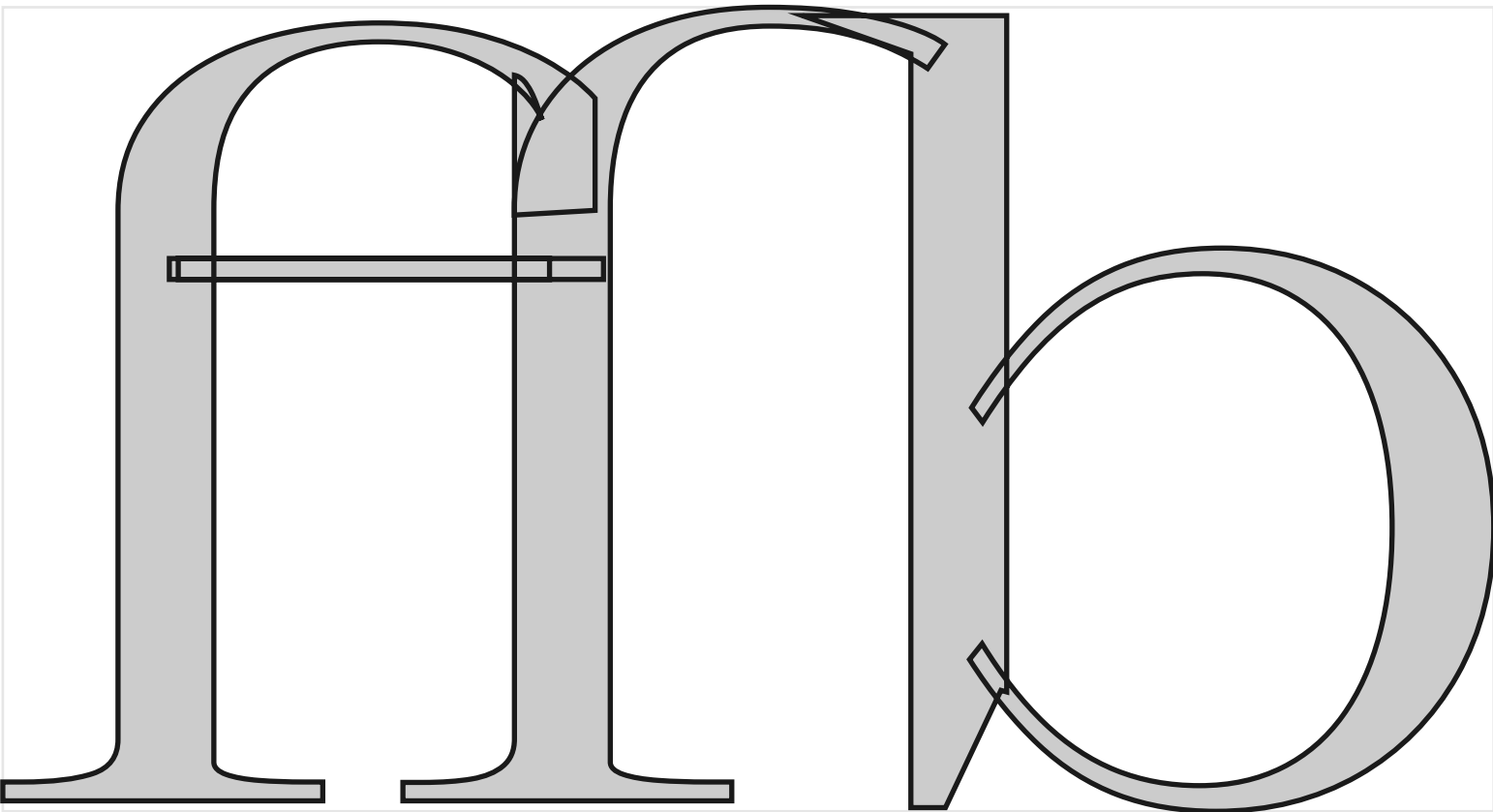


contour\_order

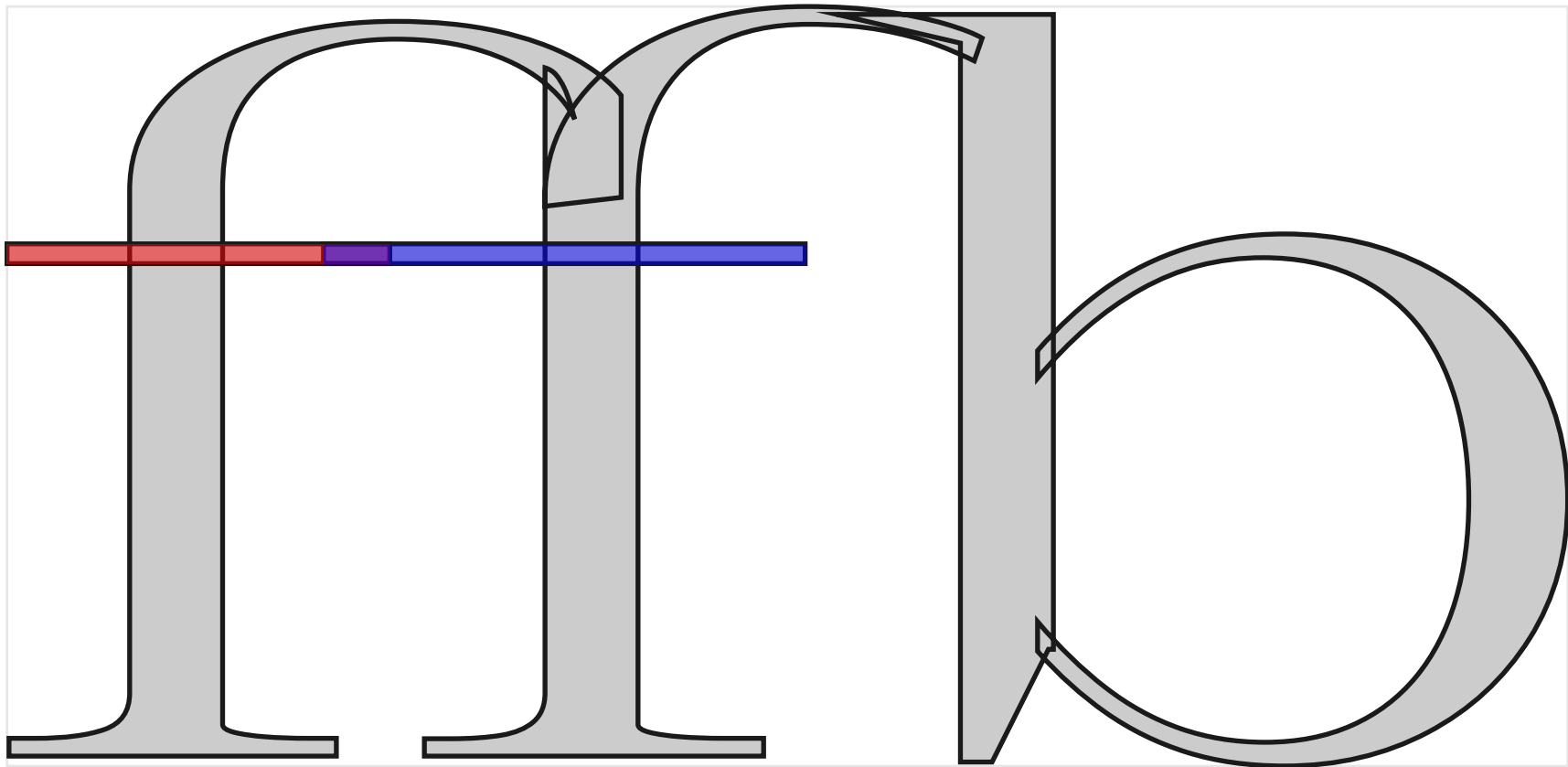
'GRAD=-50.0 opsz=144.0'



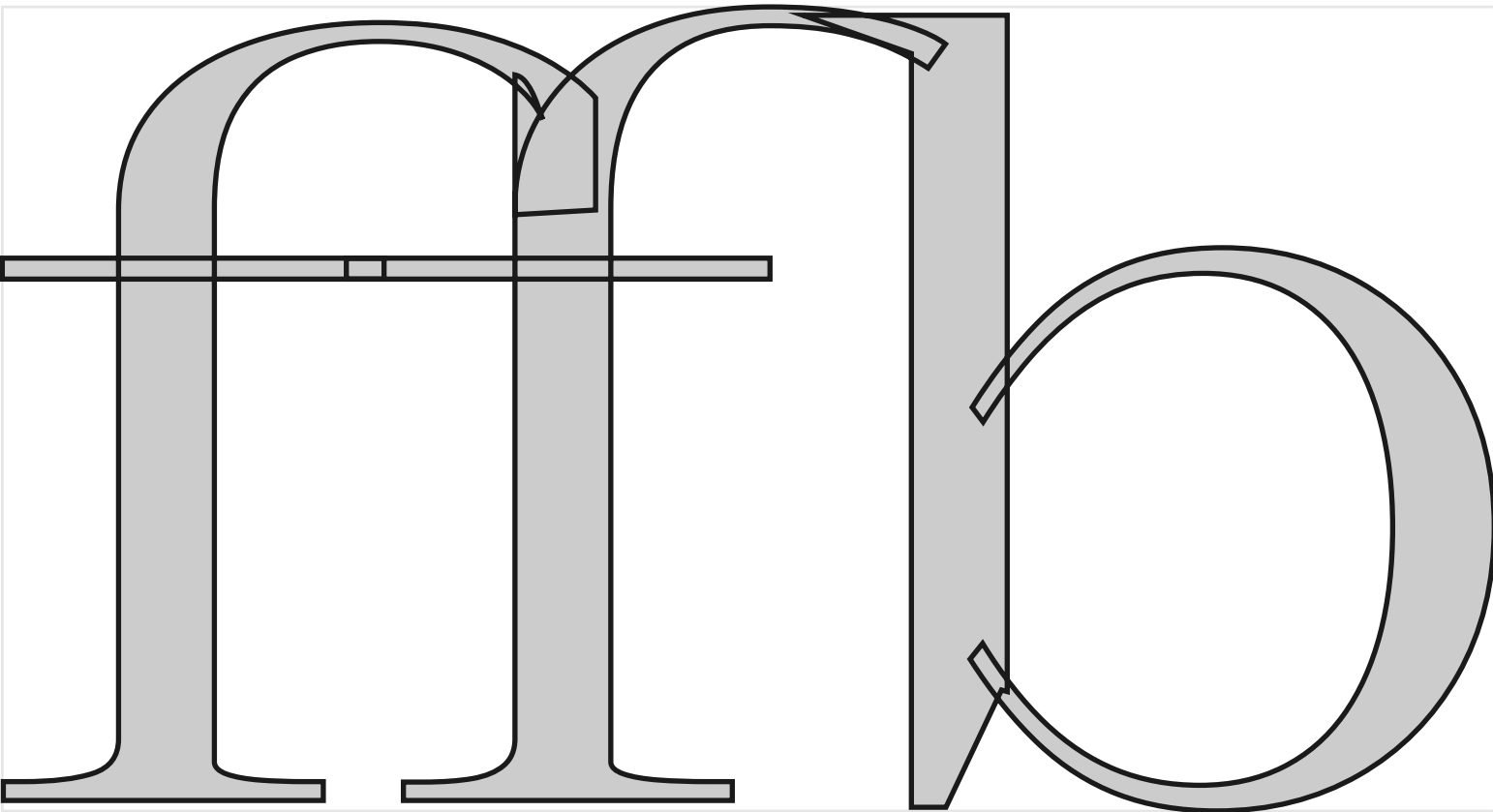
midway interpolation



'GRAD=-50.0 opsz=144.0 width=150.0'

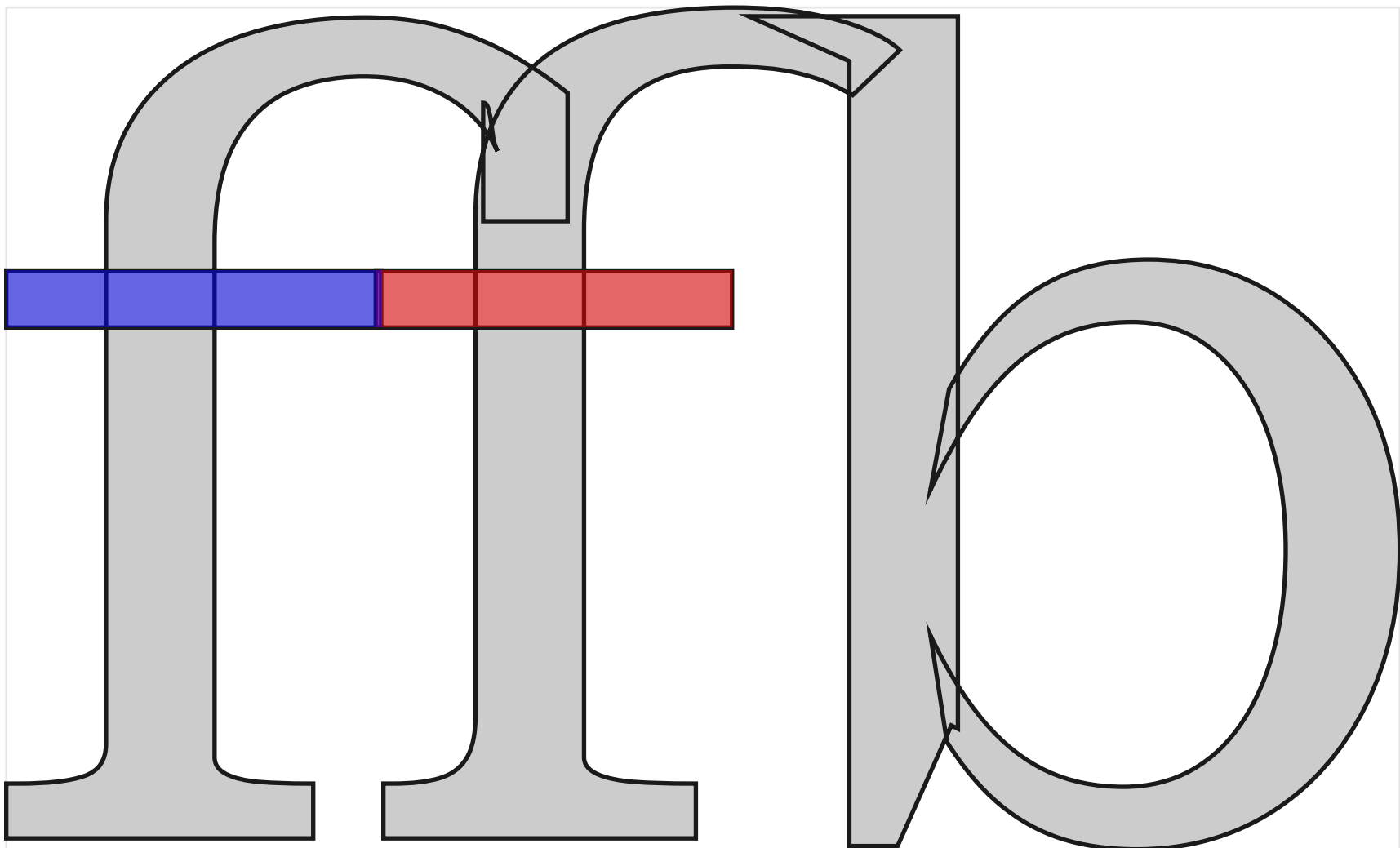


proposed fix

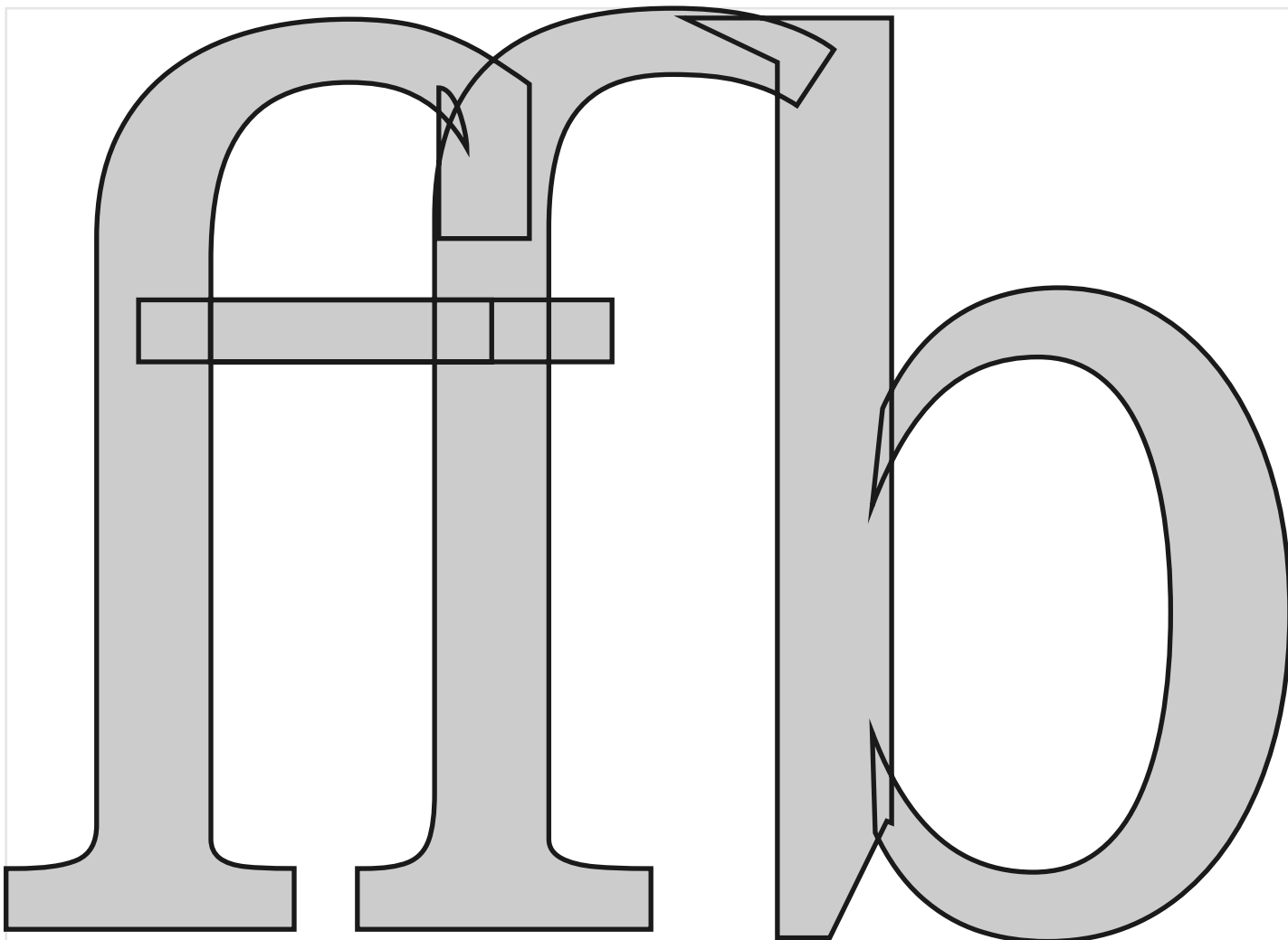


contour\_order

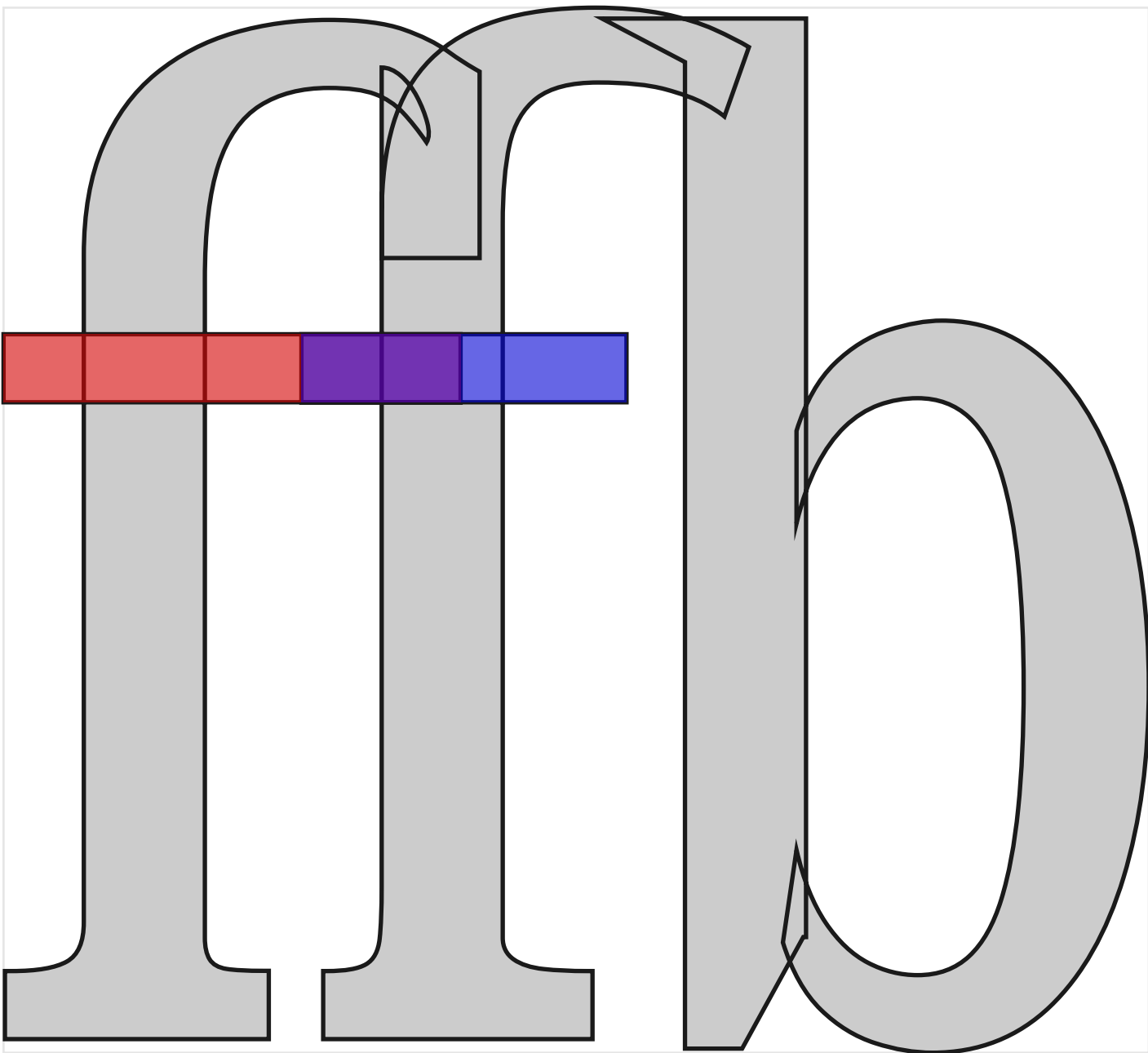
'GRAD=100.0 opsz=144.0'



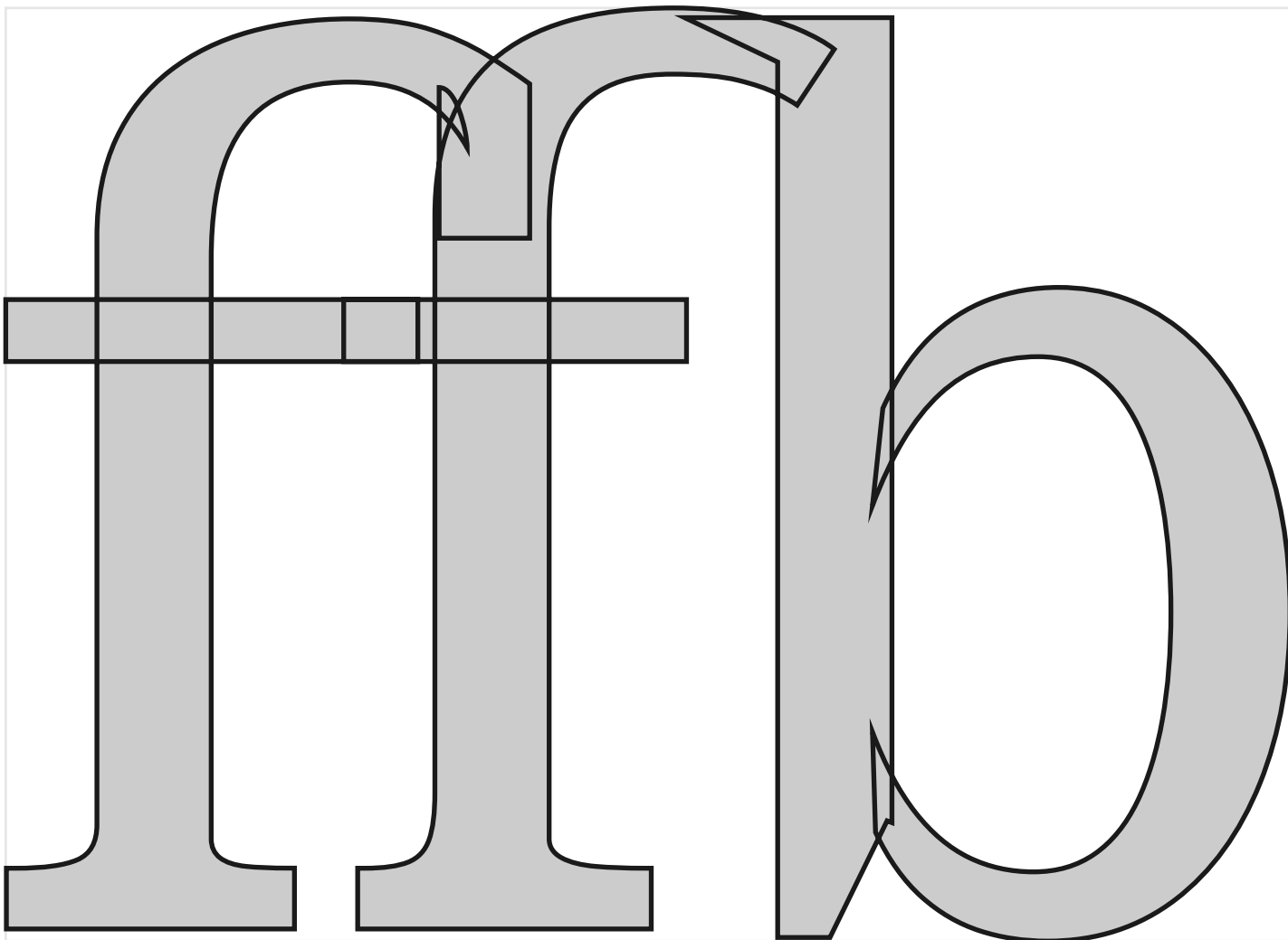
midway interpolation



'GRAD=100.0 opsz=144.0 width=50.0'

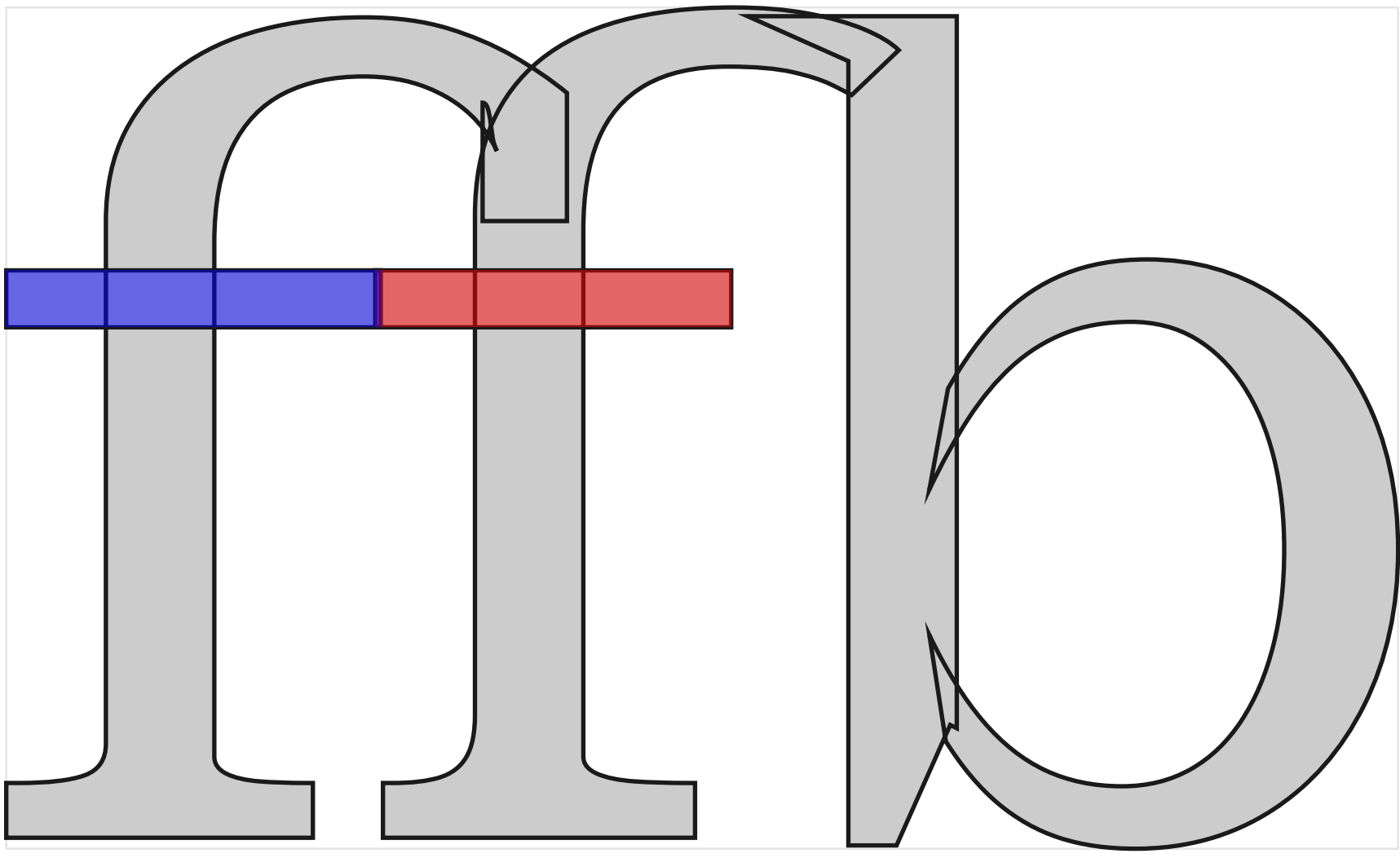


proposed fix

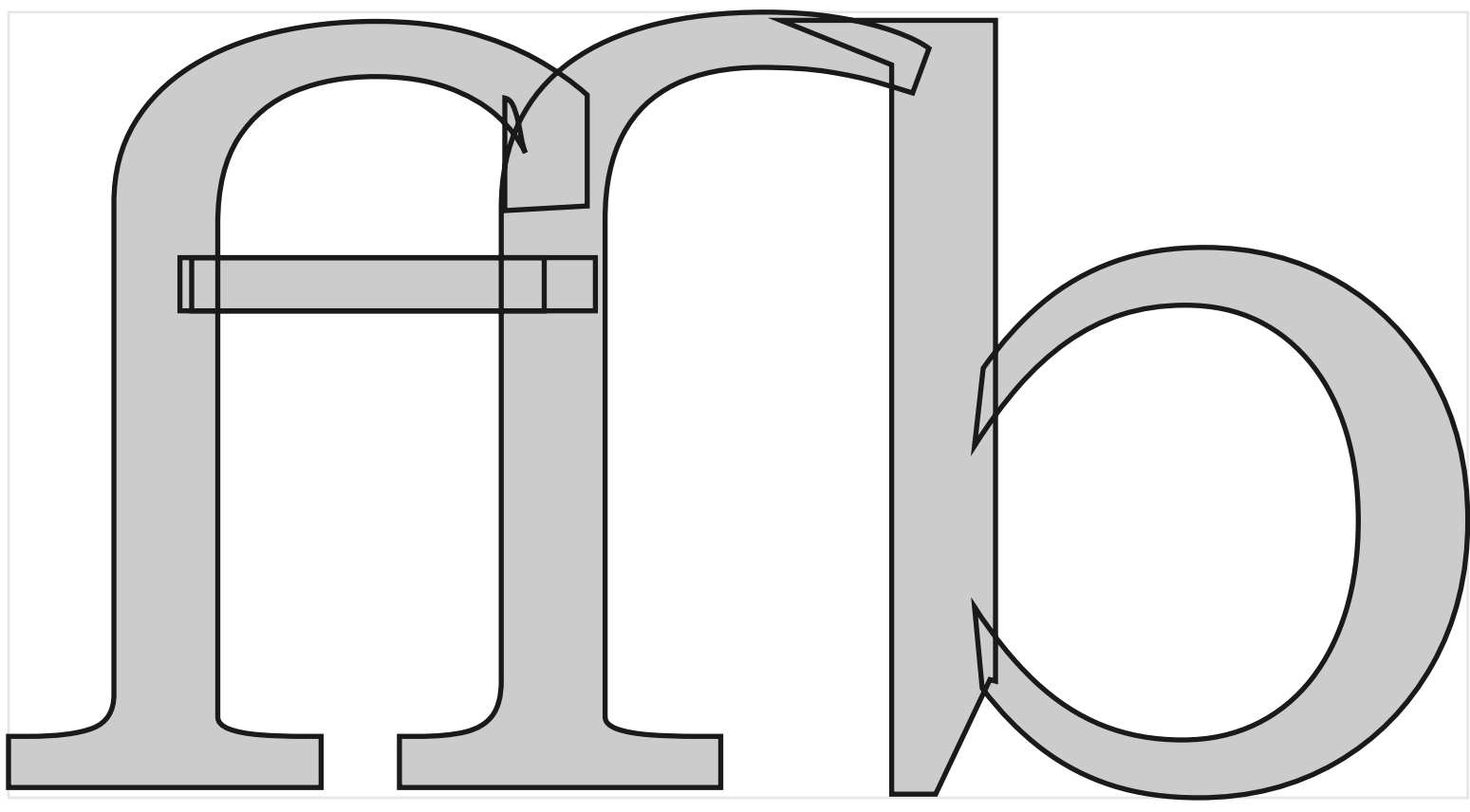


contour\_order

'GRAD=100.0 opsz=144.0'

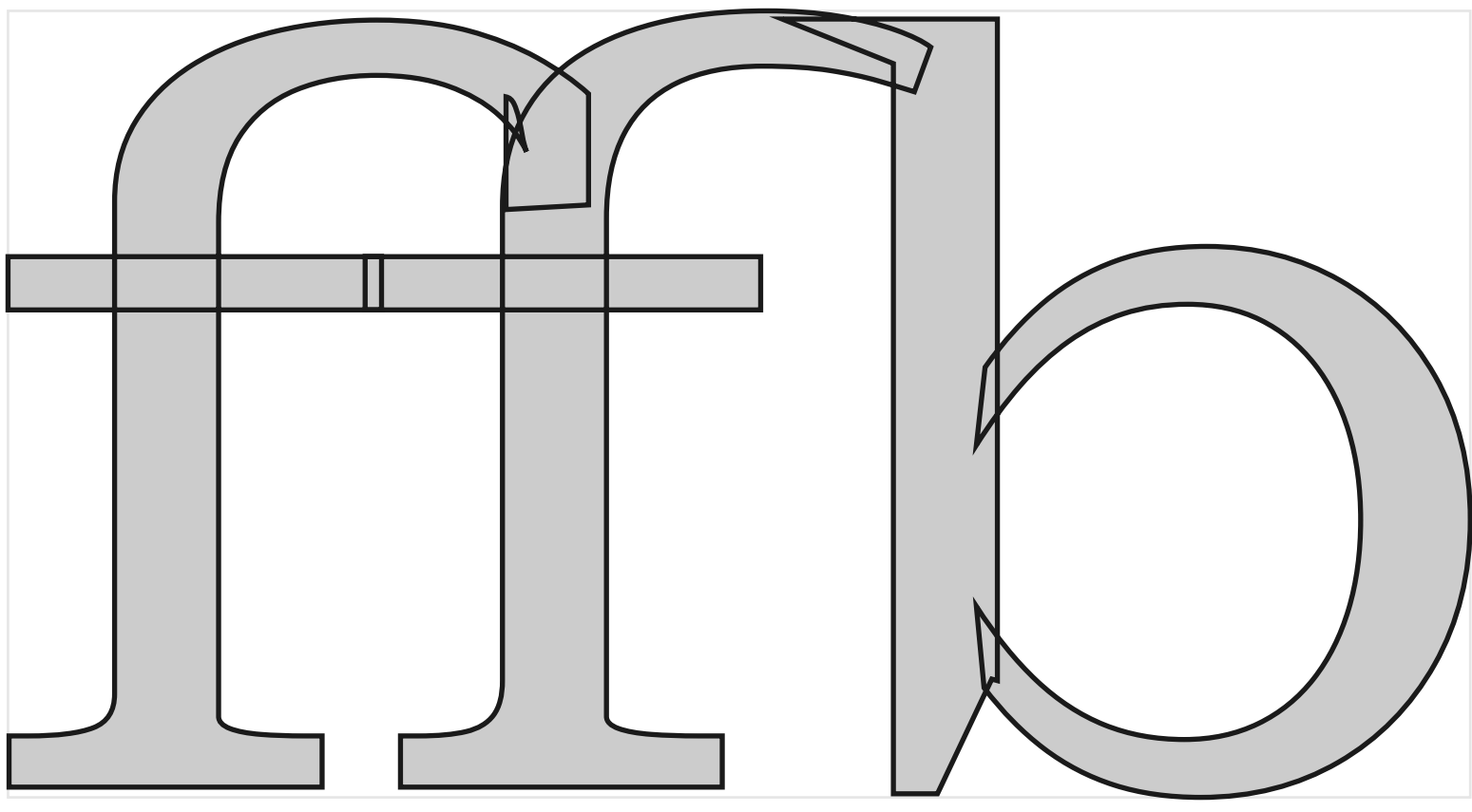
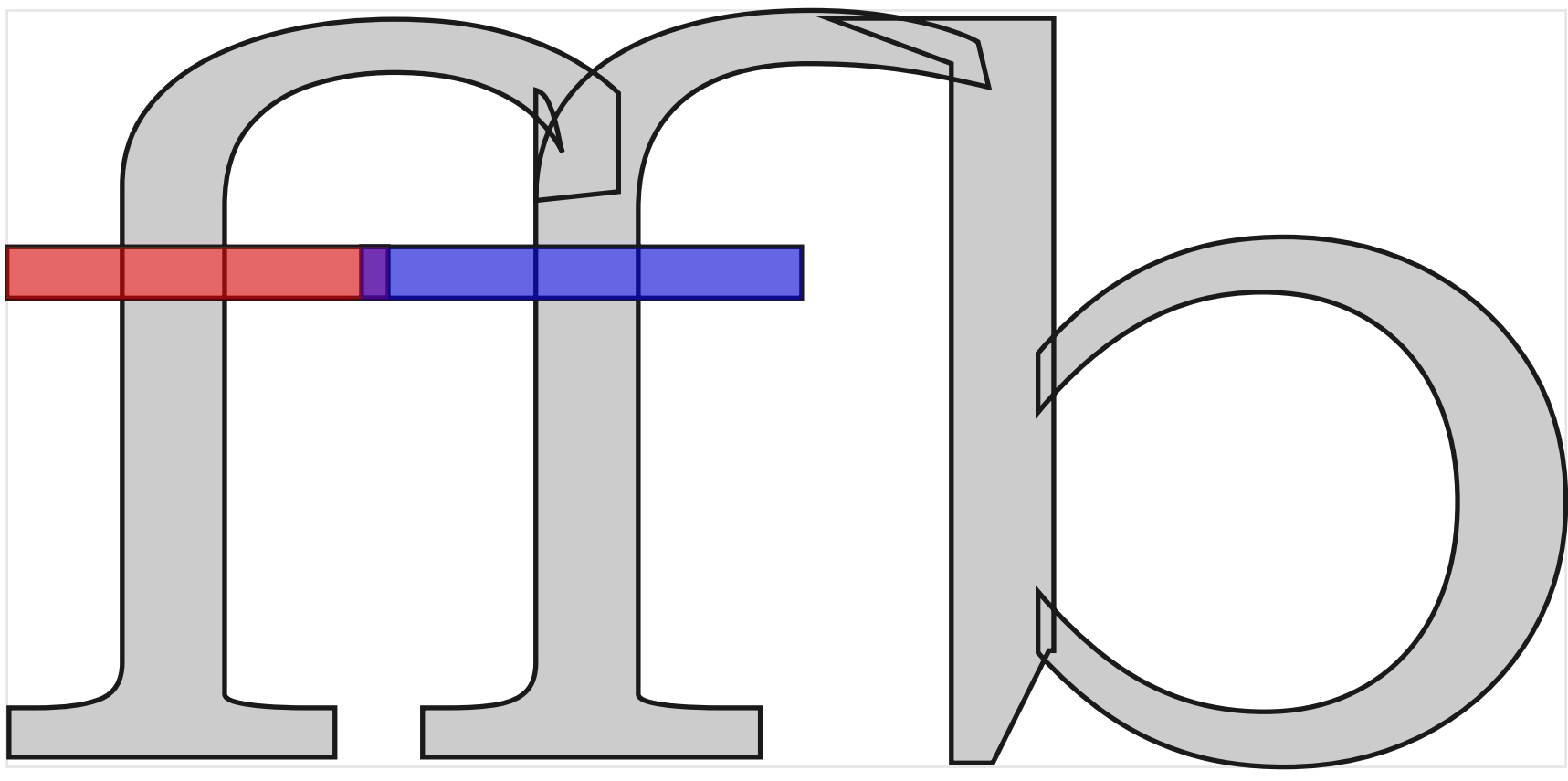


midway interpolation



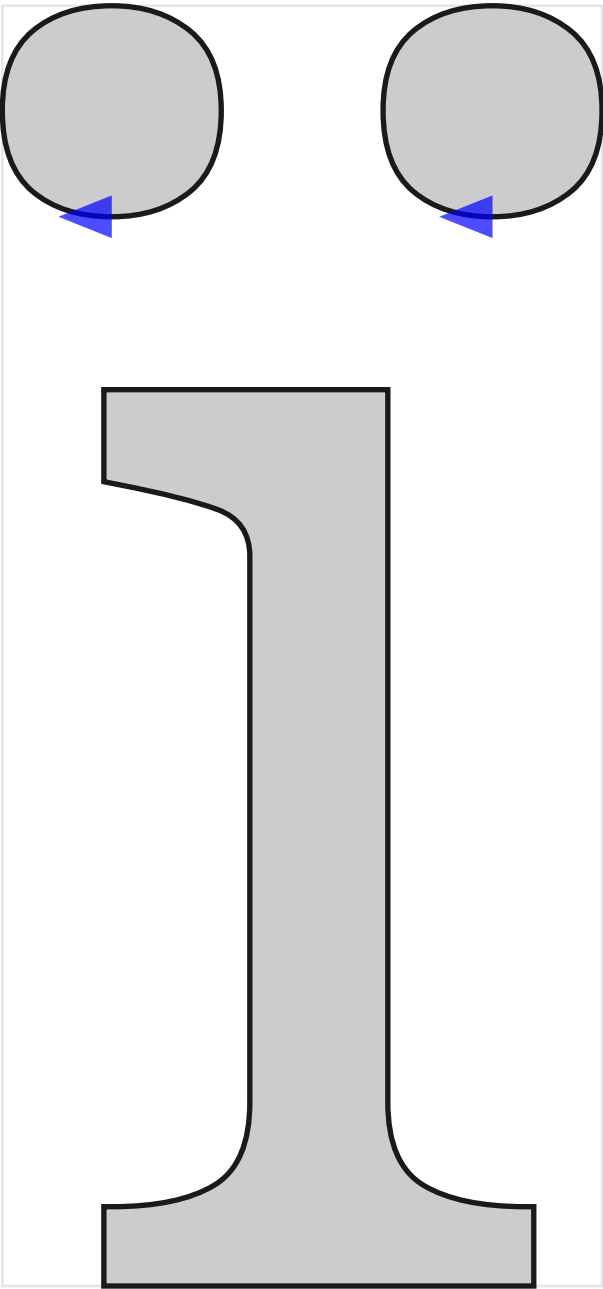
'GRAD=100.0 opsz=144.0 width=150.0'

proposed fix

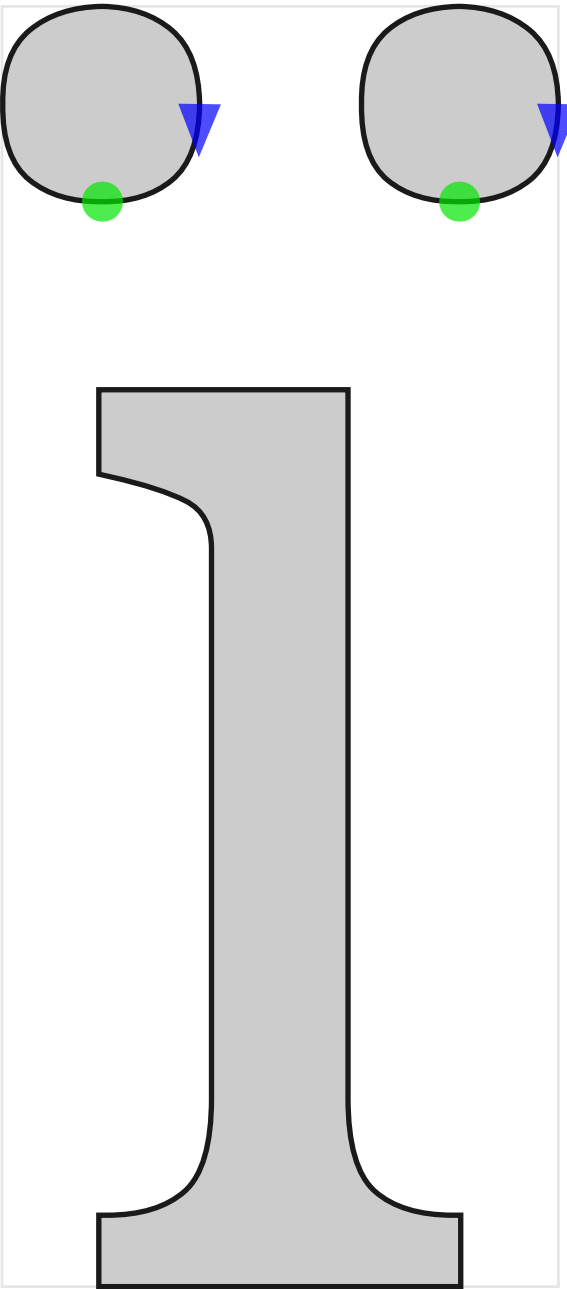


wrong\_start\_point

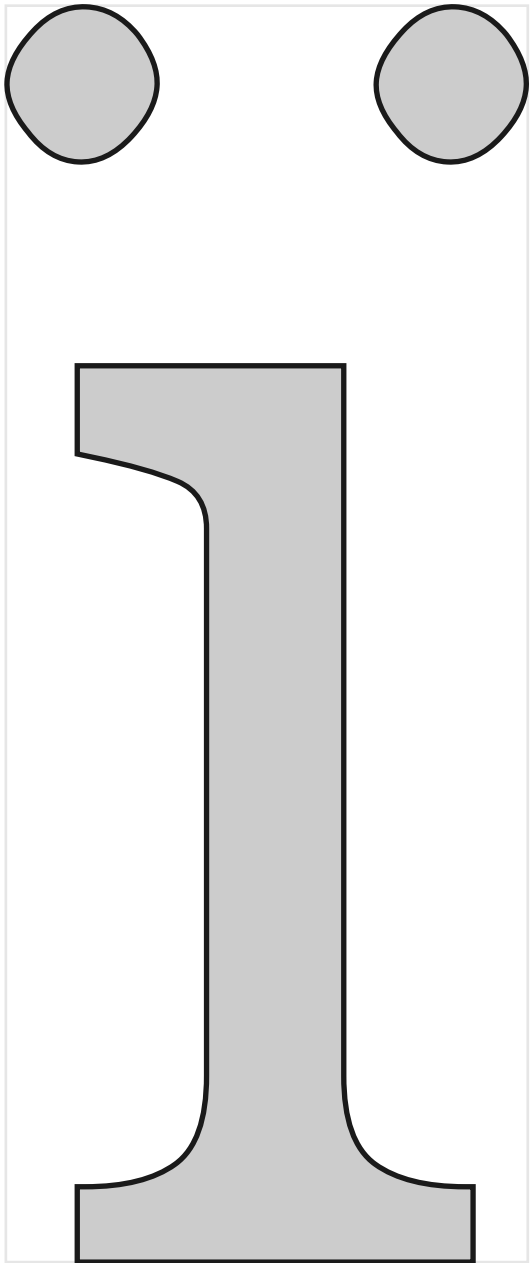
'opsz=8.0'



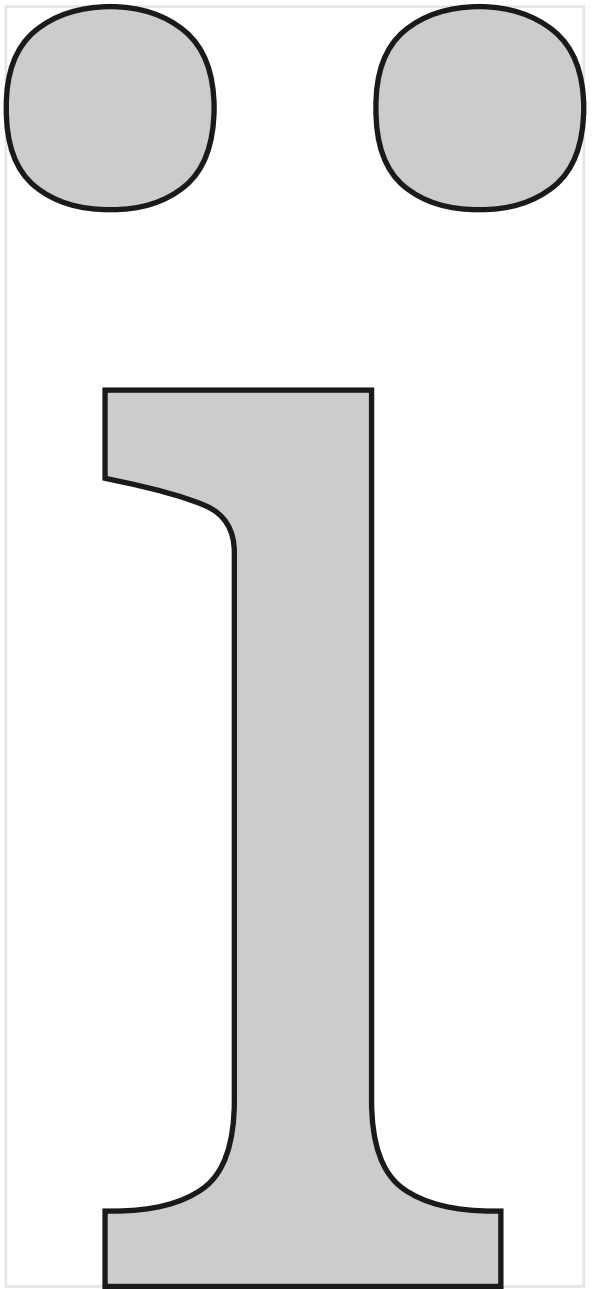
'opsz=8.0 width=50.0'



midway interpolation



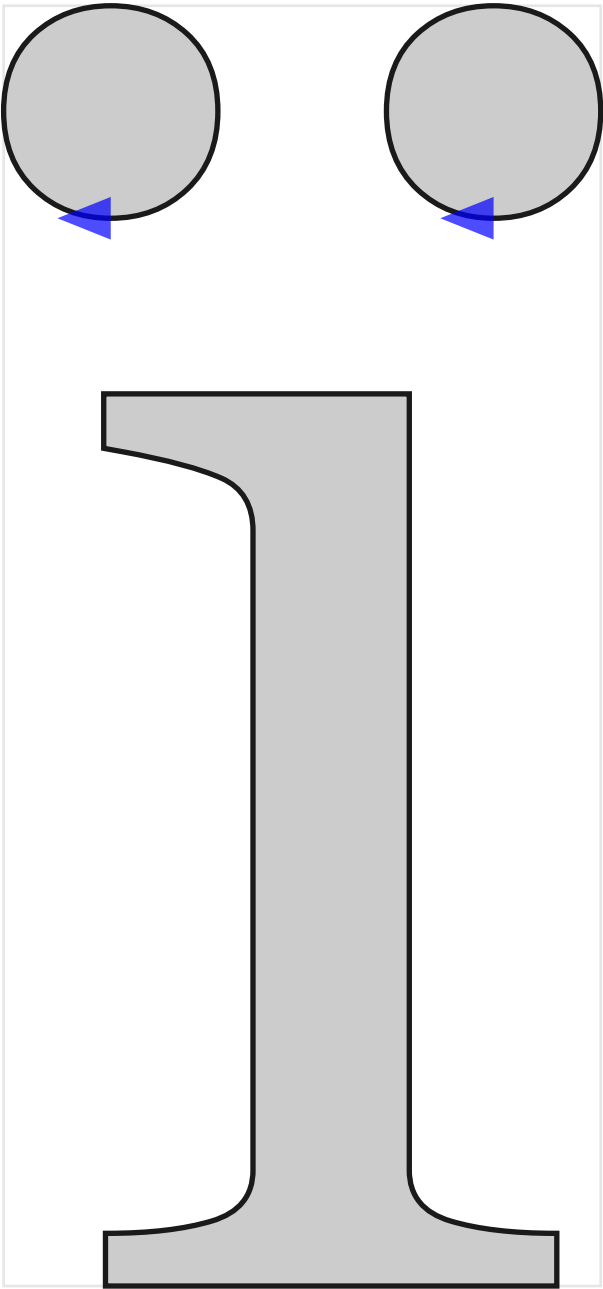
proposed fix



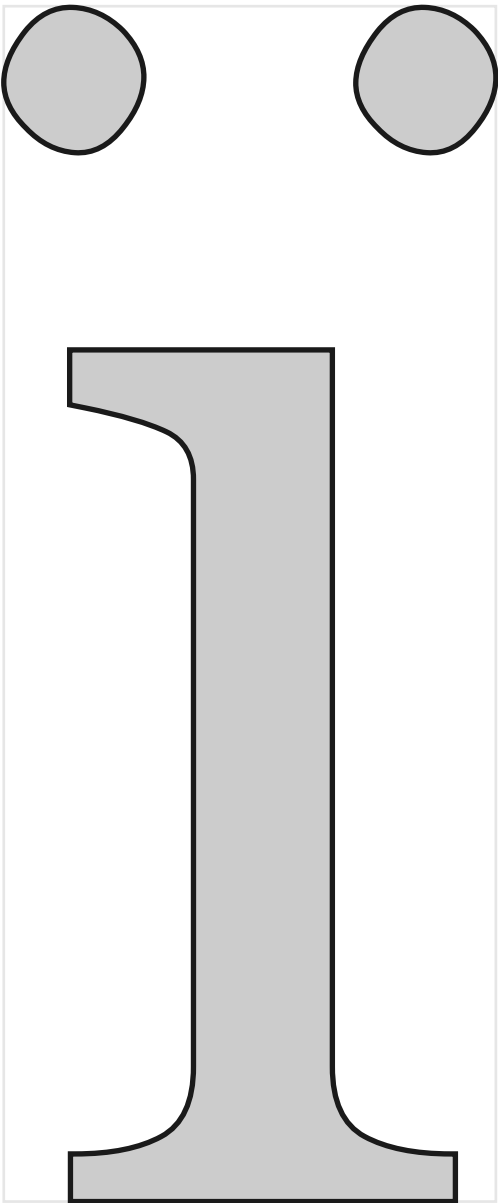


wrong\_start\_point

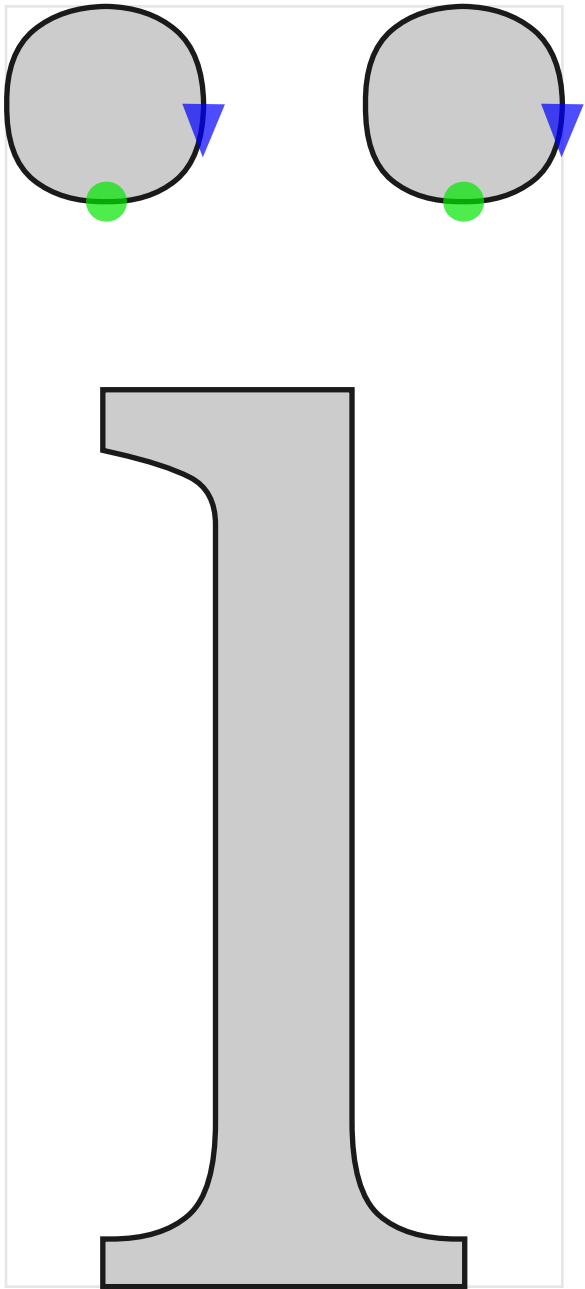
'GRAD=-50.0'



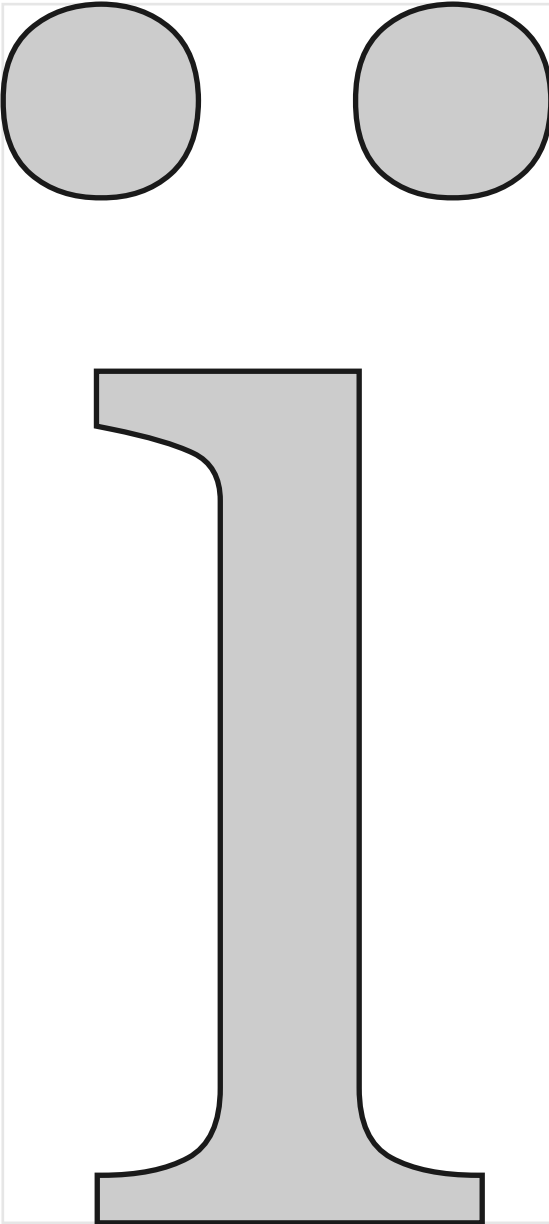
midway interpolation



'GRAD=-50.0 opsz=8.0 width=50.0'

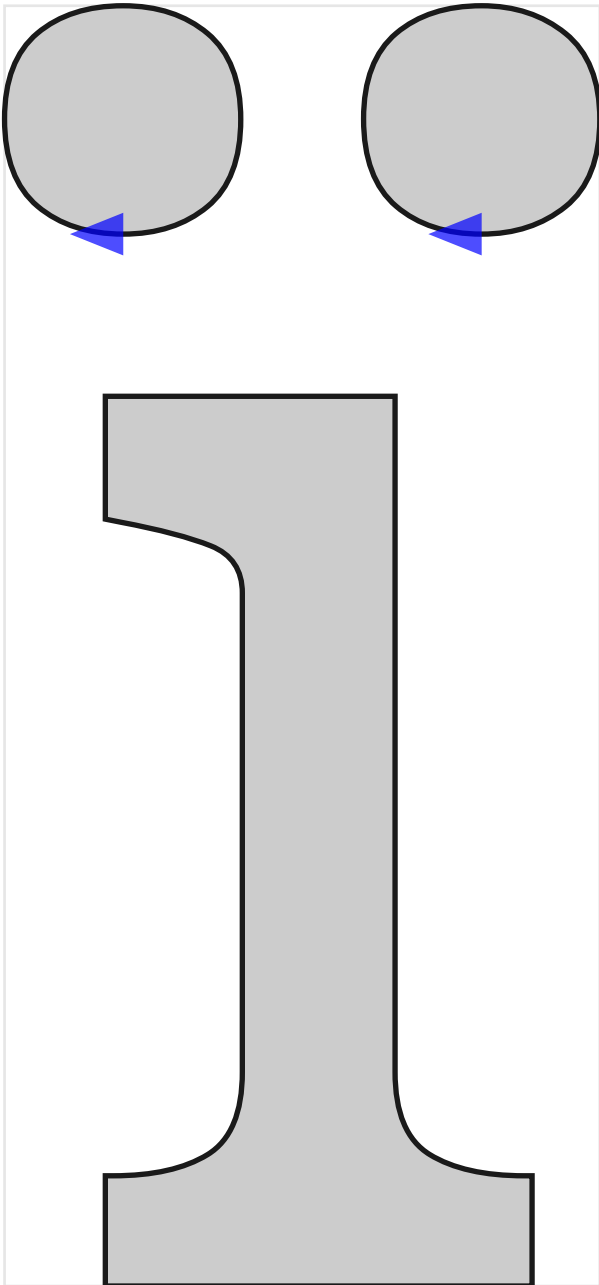


proposed fix

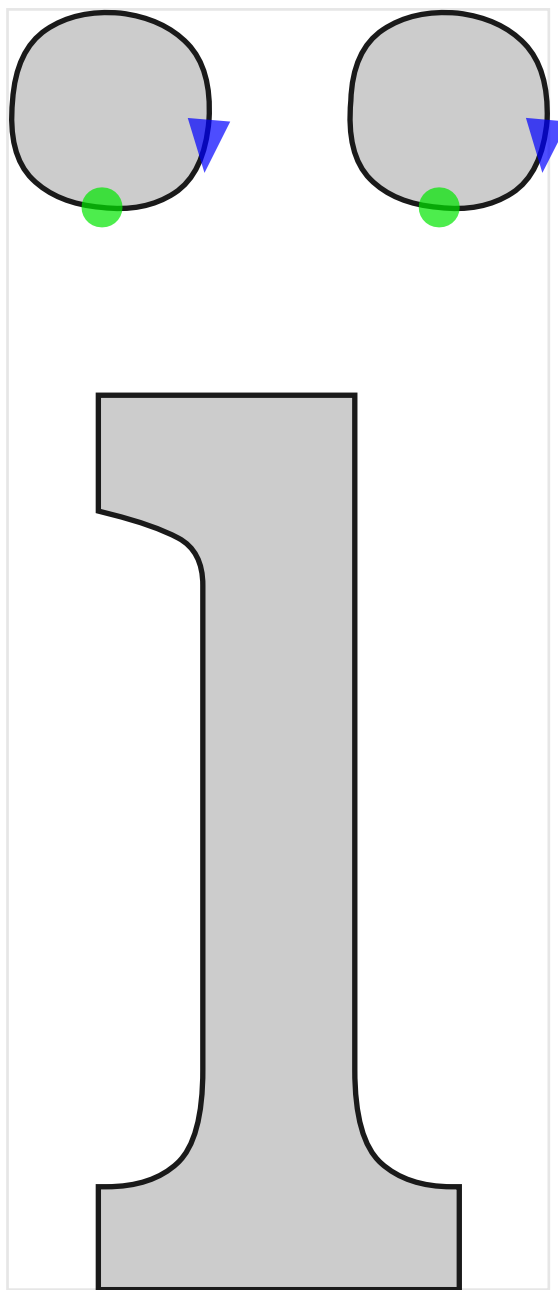


wrong\_start\_point

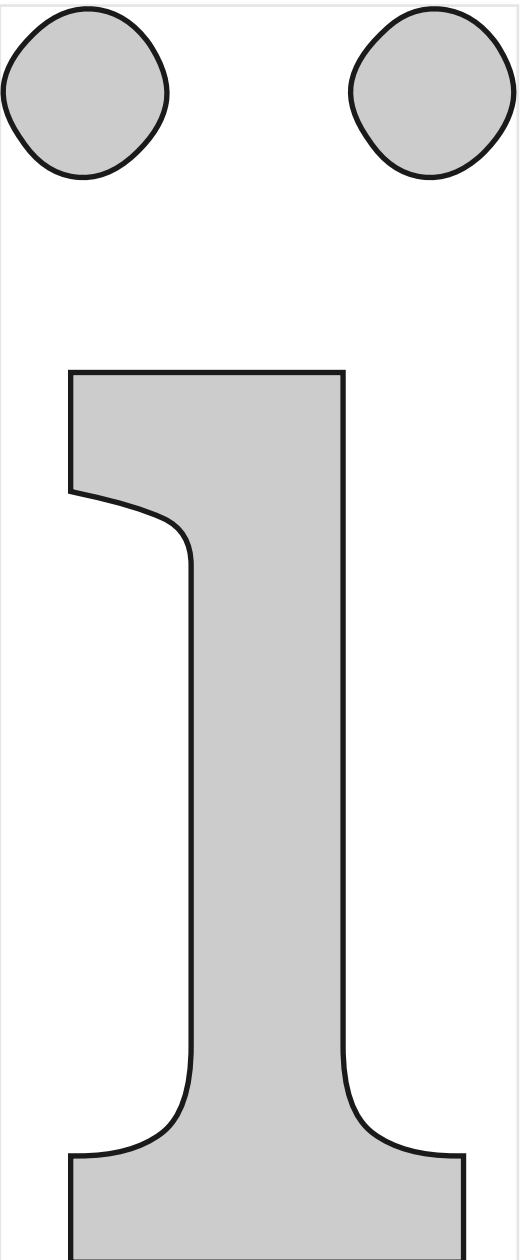
'GRAD=100.0 opsz=8.0'



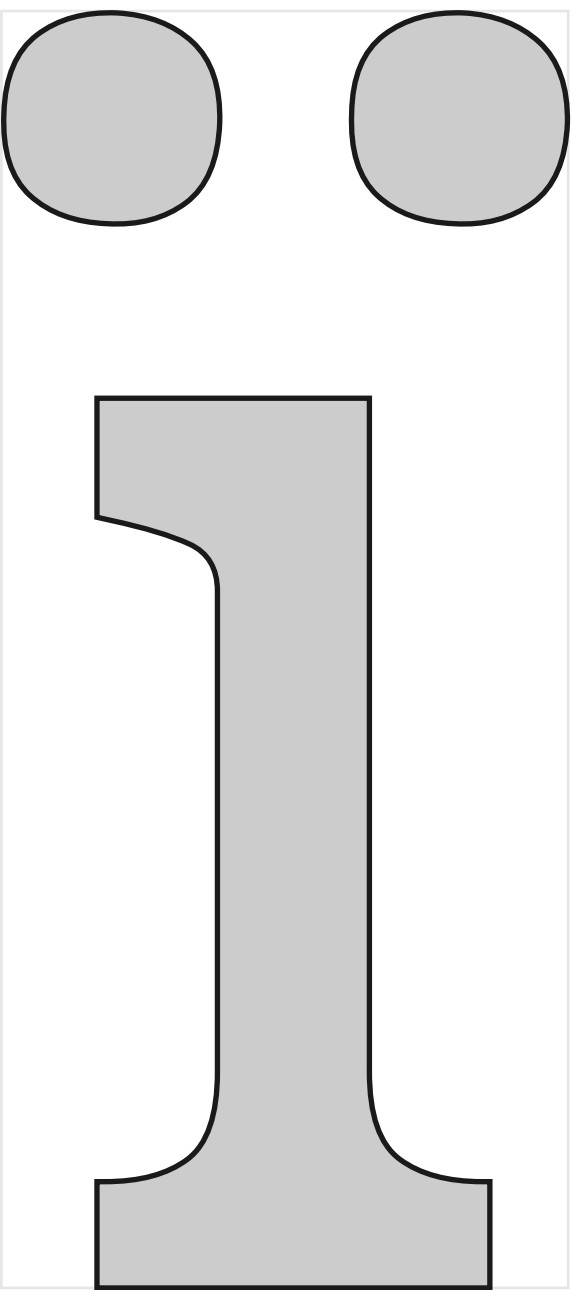
'GRAD=100.0 opsz=8.0 width=50.0'



midway interpolation

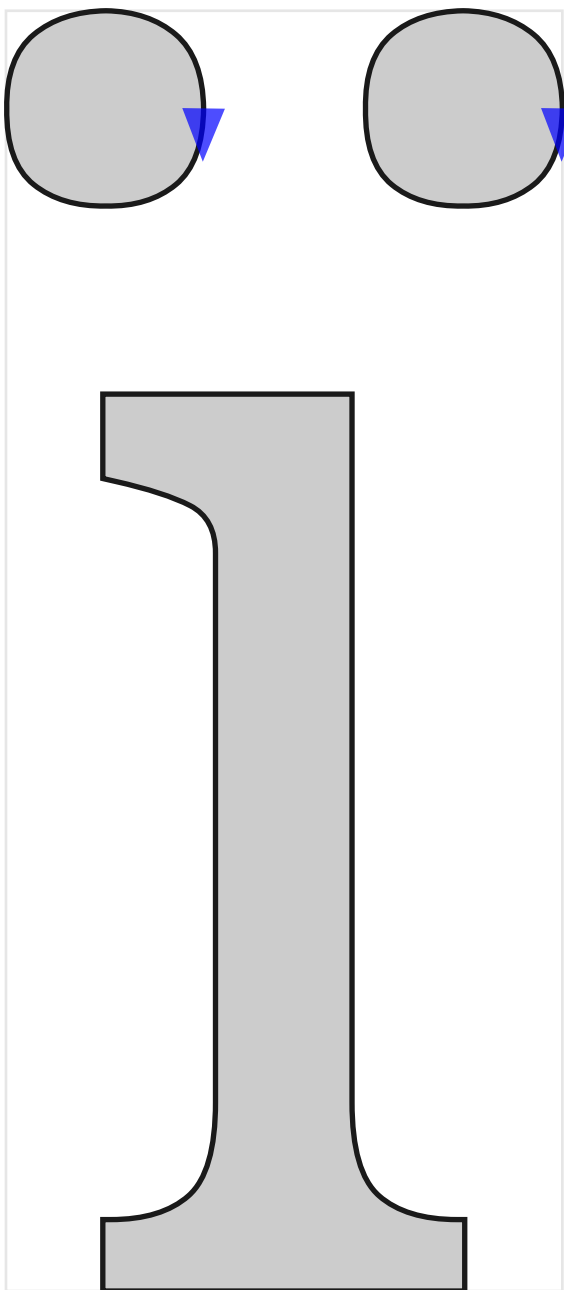


proposed fix

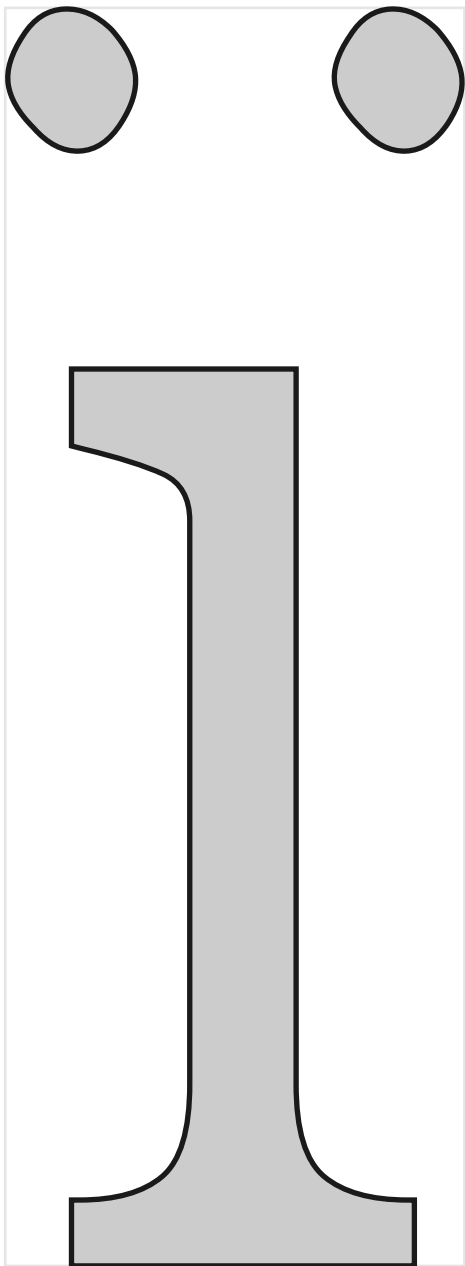


wrong\_start\_point

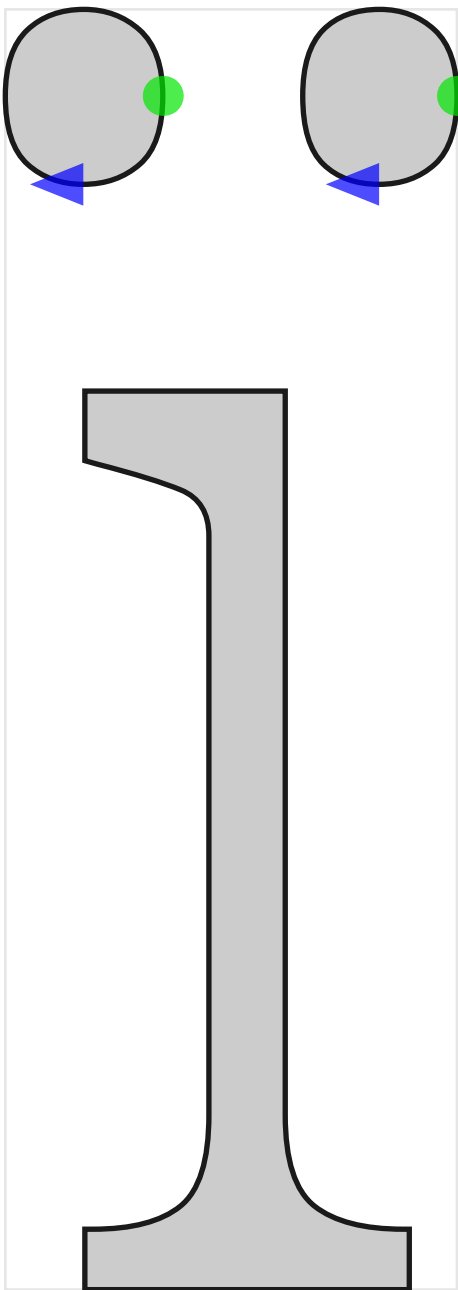
'opsz=8.0 width=50.0'



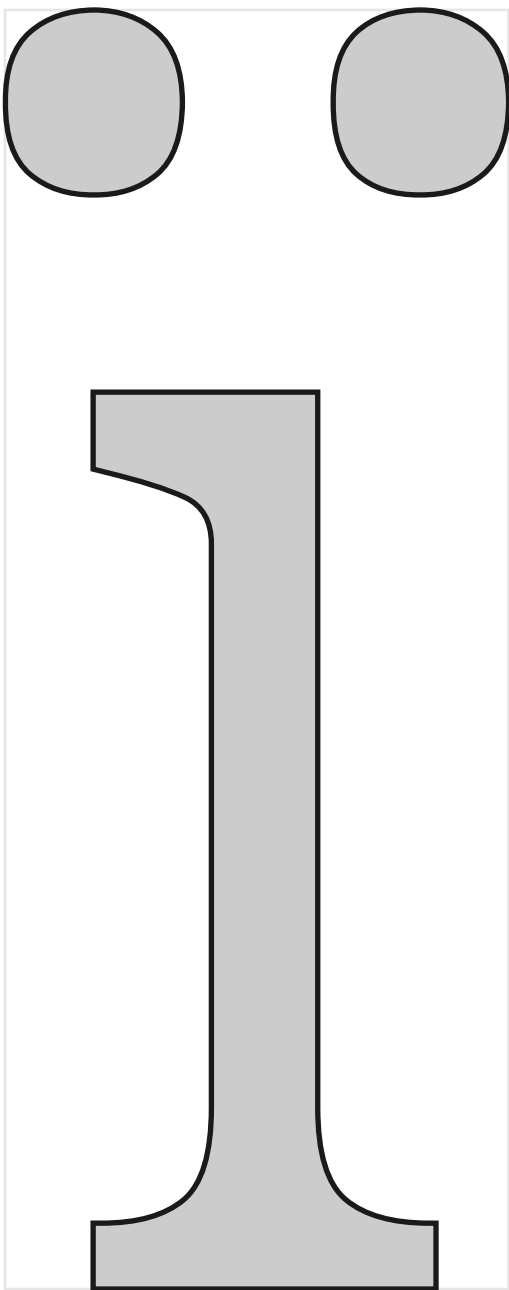
midway interpolation



'opsz=8.0 width=50.0 wght=100.0'

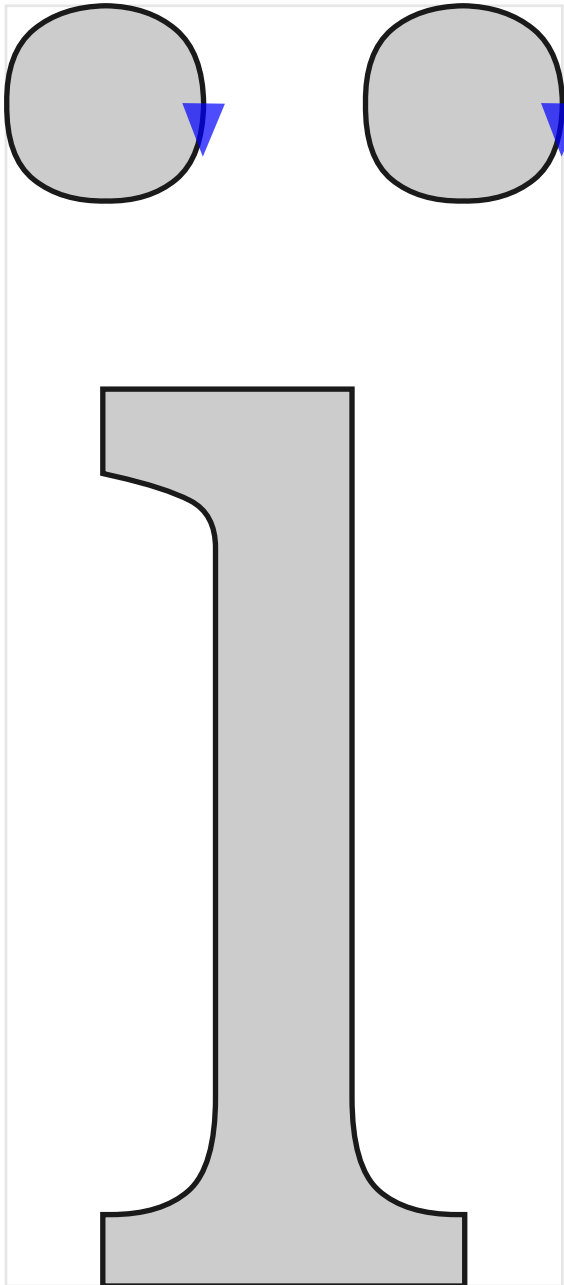


proposed fix

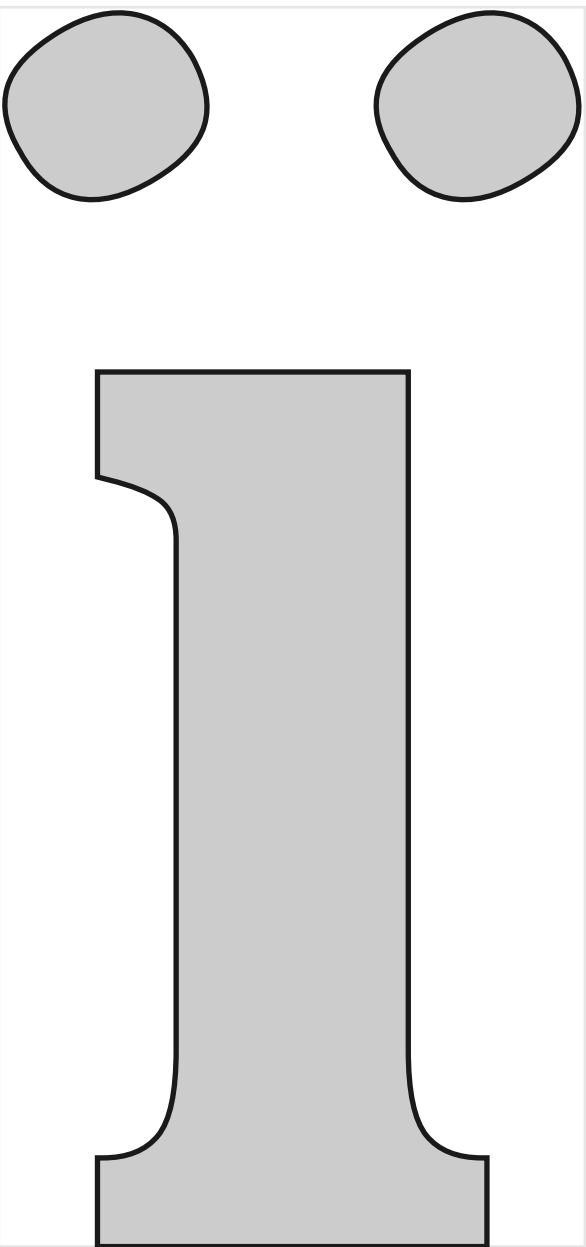


wrong\_start\_point

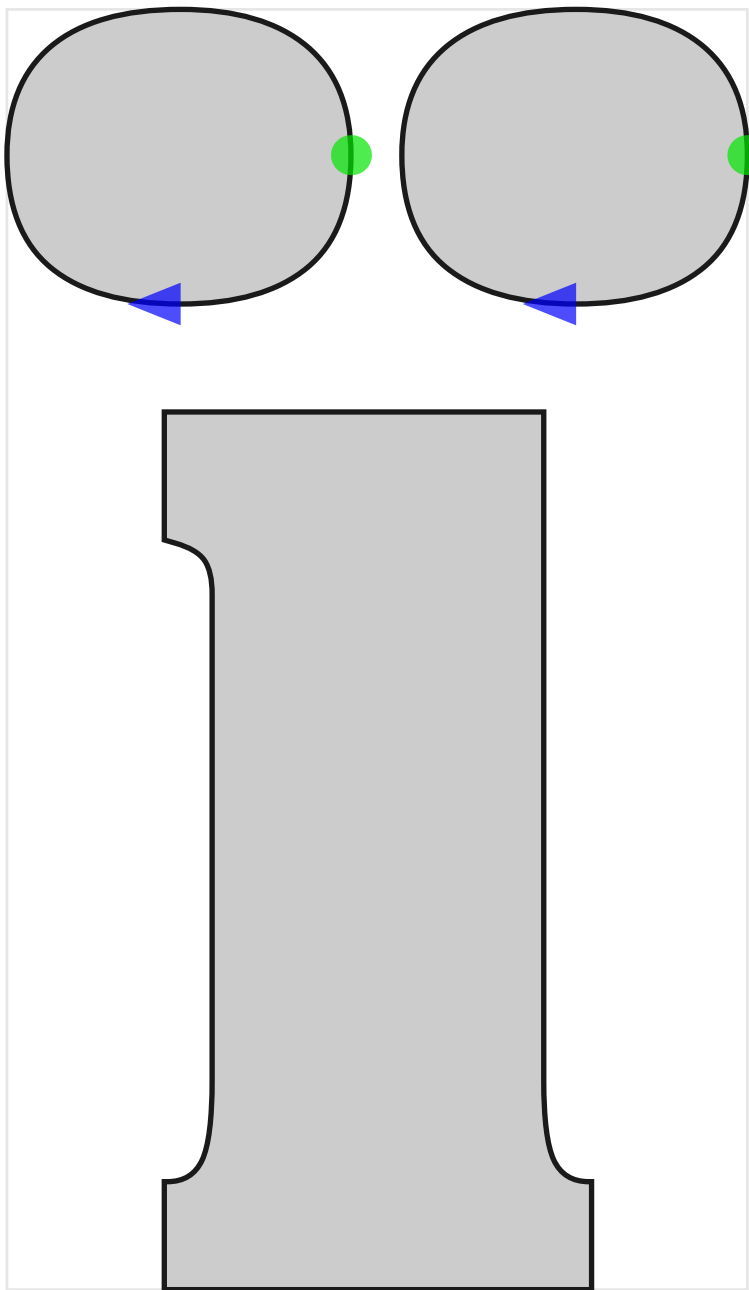
'opsz=8.0 width=50.0'



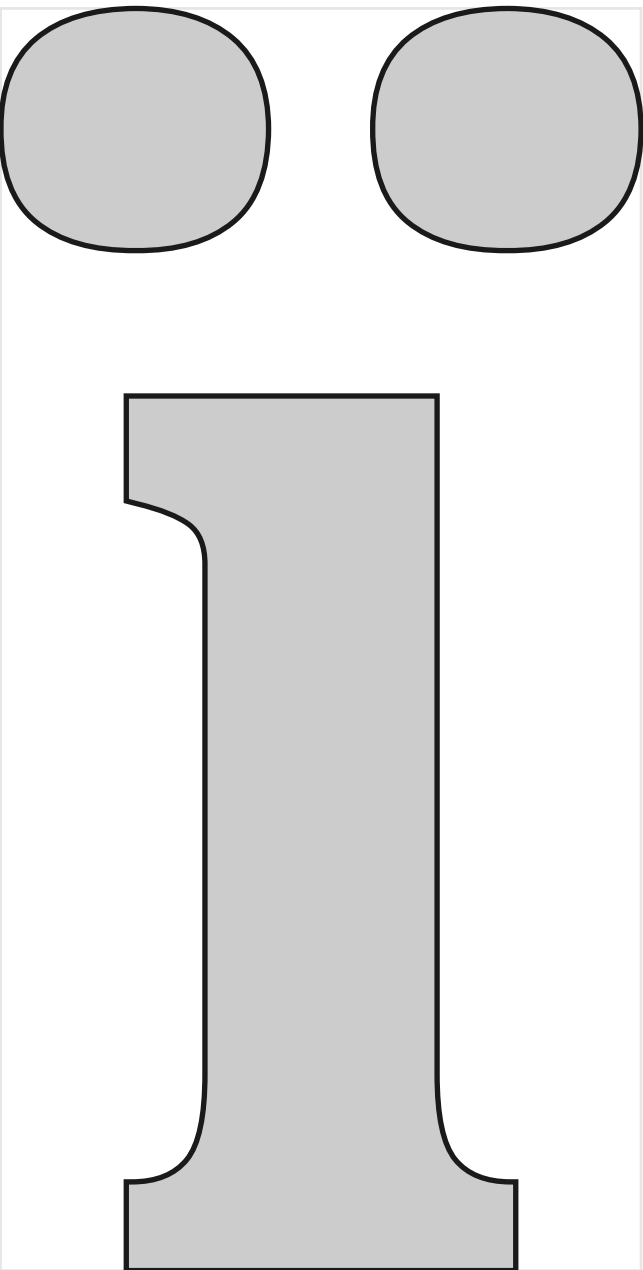
midway interpolation



'opsz=8.0 width=50.0 wght=900.0'

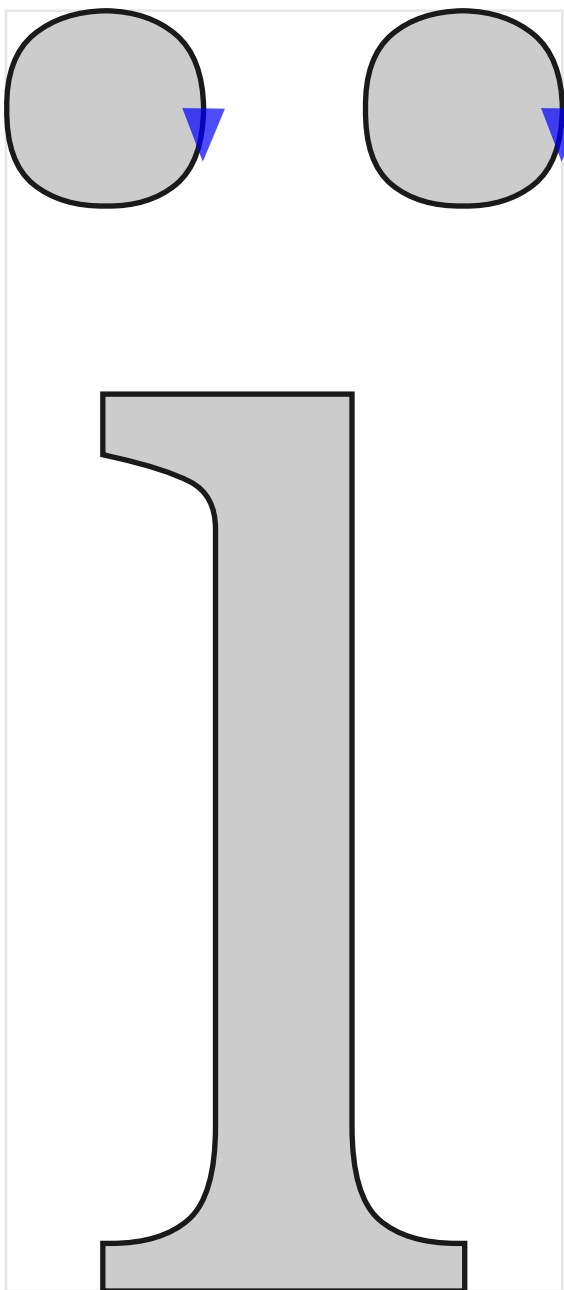


proposed fix

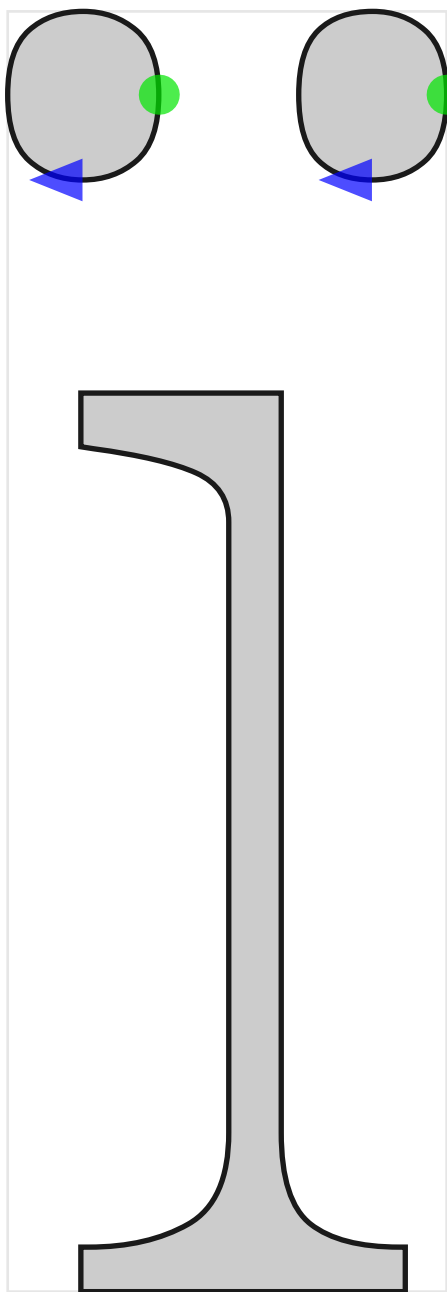


wrong\_start\_point

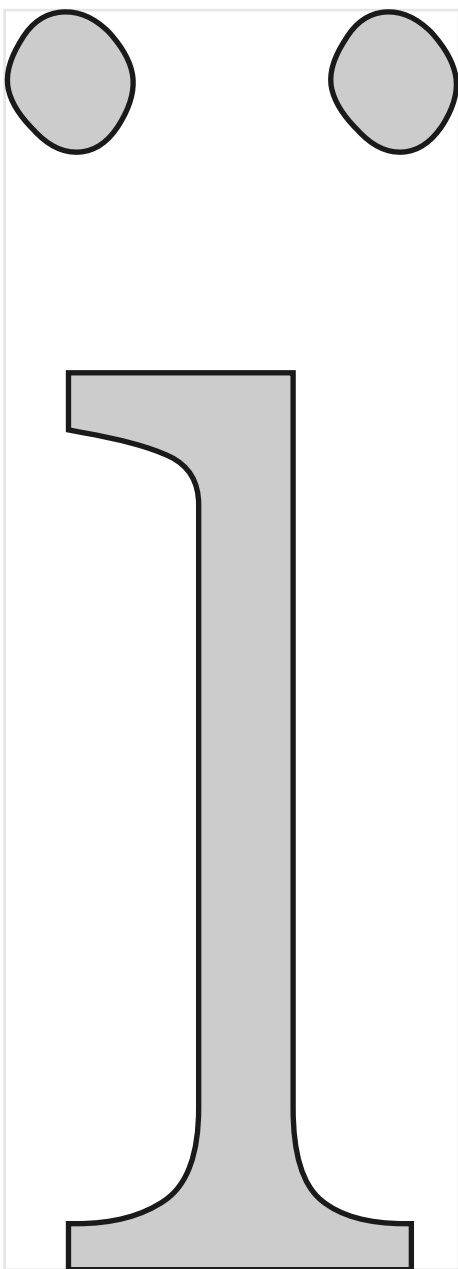
'GRAD=-50.0 opsz=8.0 width=50.0'



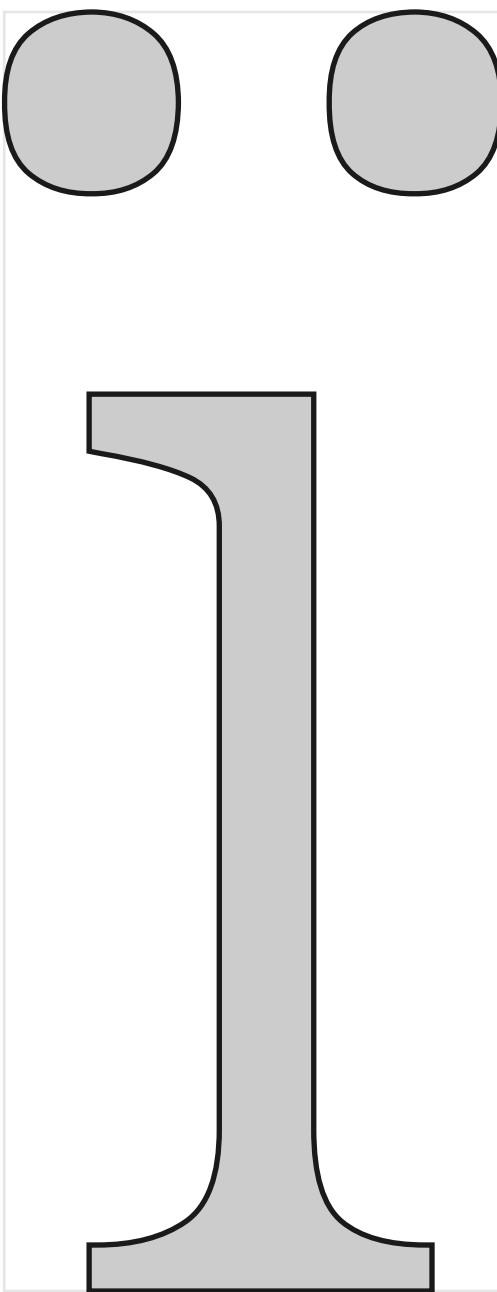
'GRAD=-50.0 opsz=8.0 width=50.0 wght=100.0'



midway interpolation

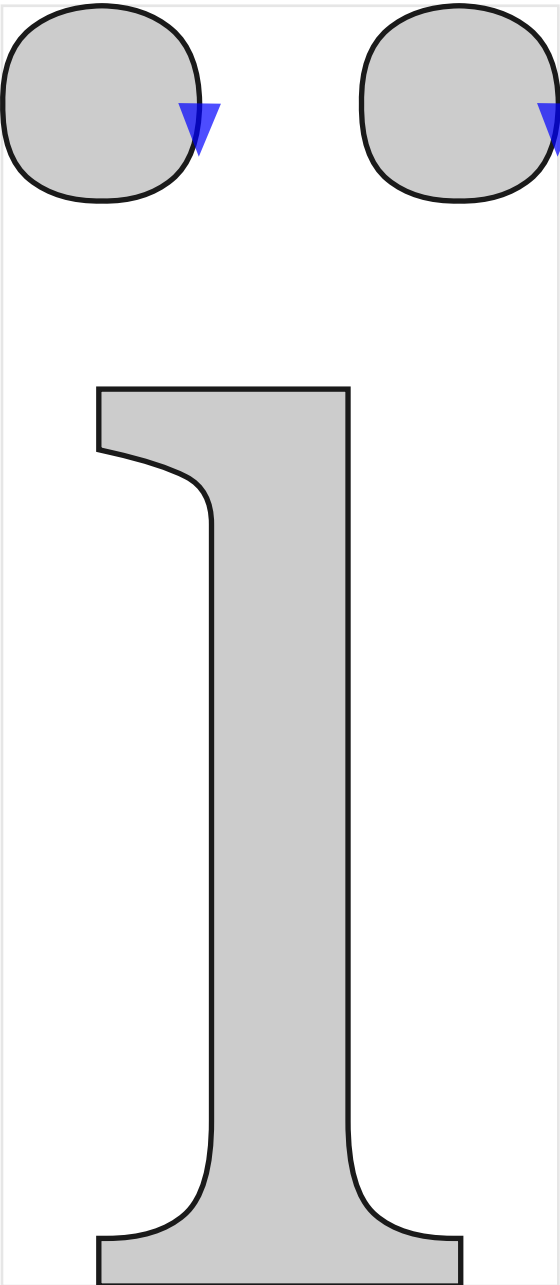


proposed fix

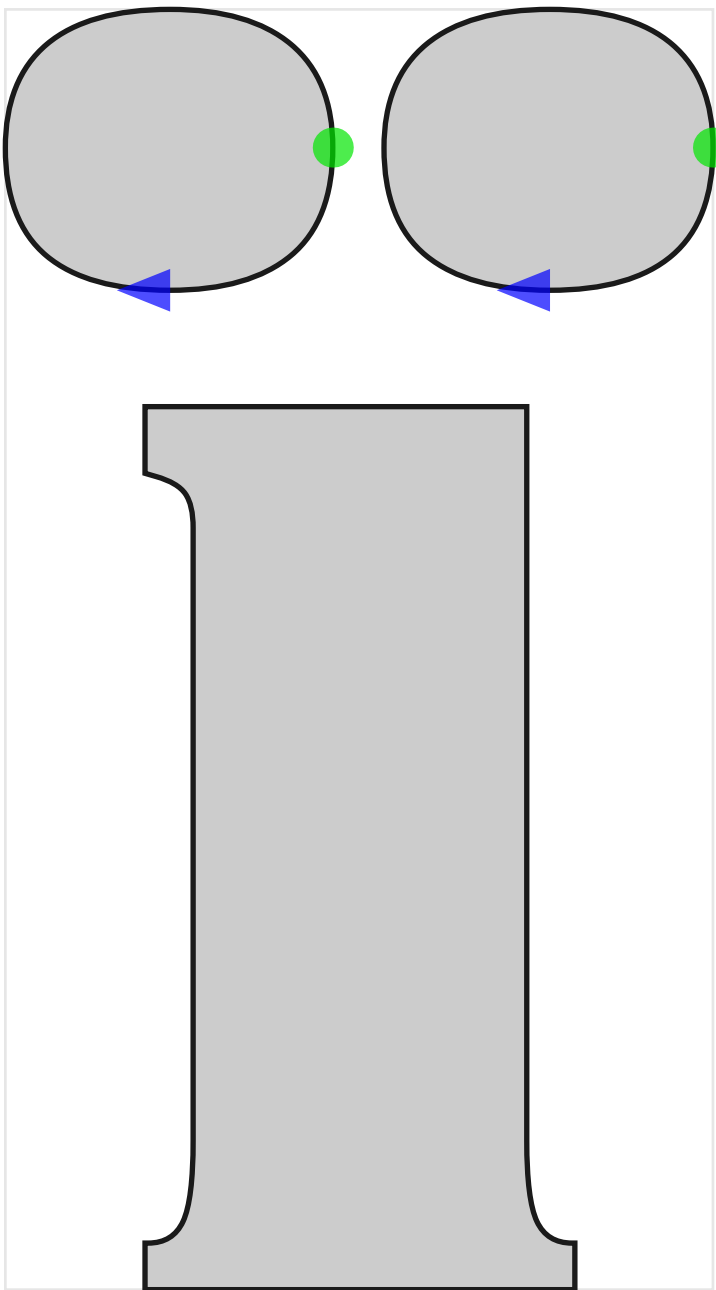


wrong\_start\_point

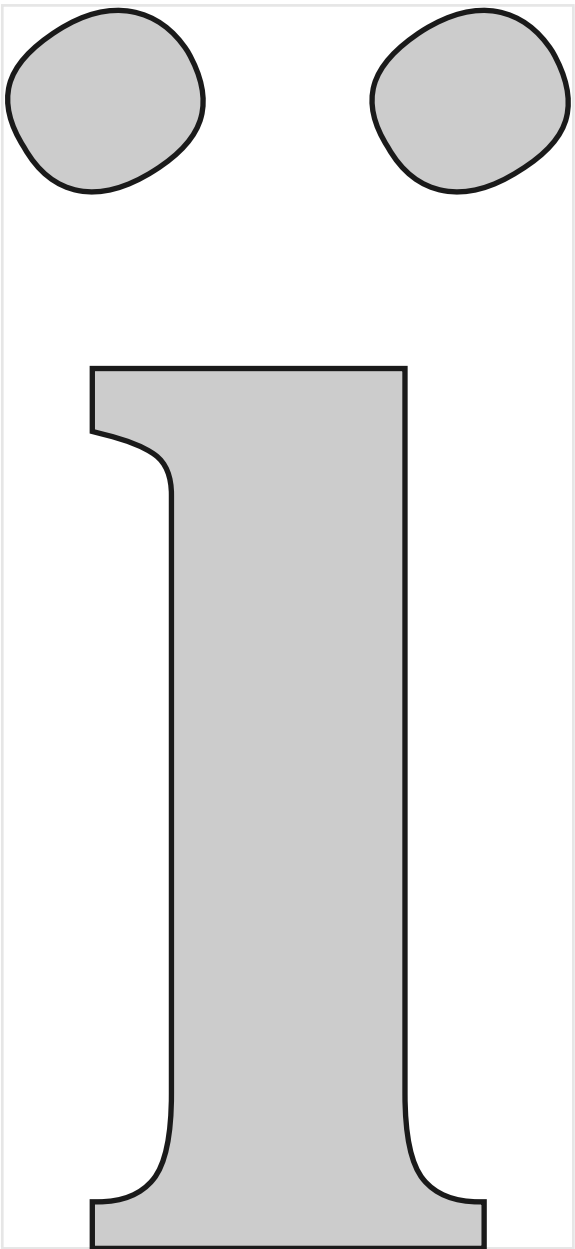
'GRAD=-50.0 opsz=8.0 width=50.0'



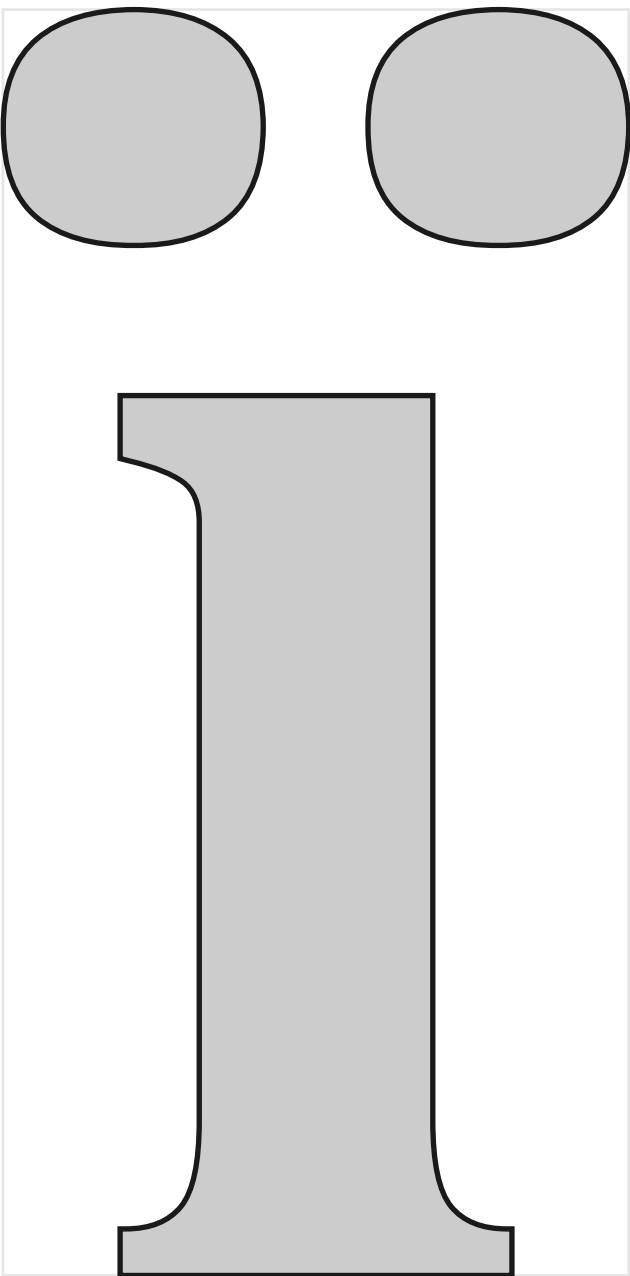
'GRAD=-50.0 opsz=8.0 width=50.0 wght=900.0'



midway interpolation

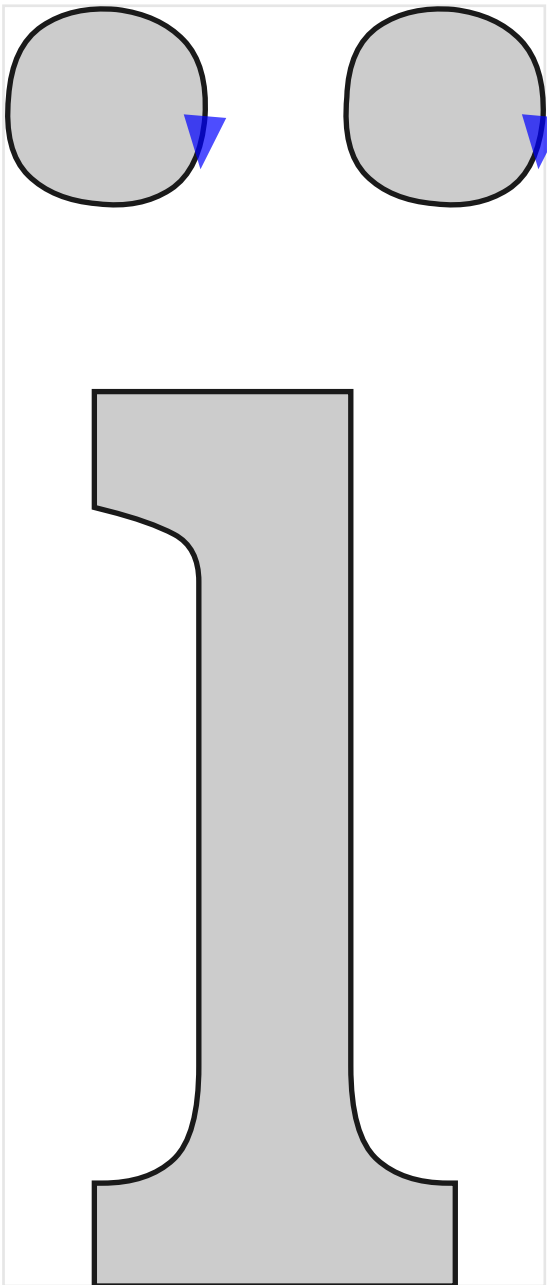


proposed fix

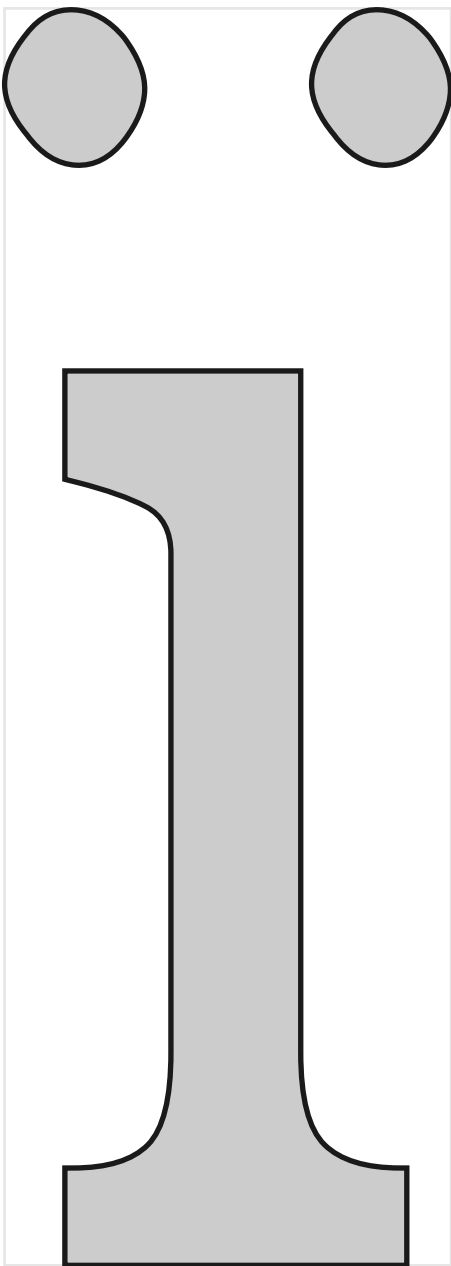


wrong\_start\_point

'GRAD=100.0 opsz=8.0 width=50.0'

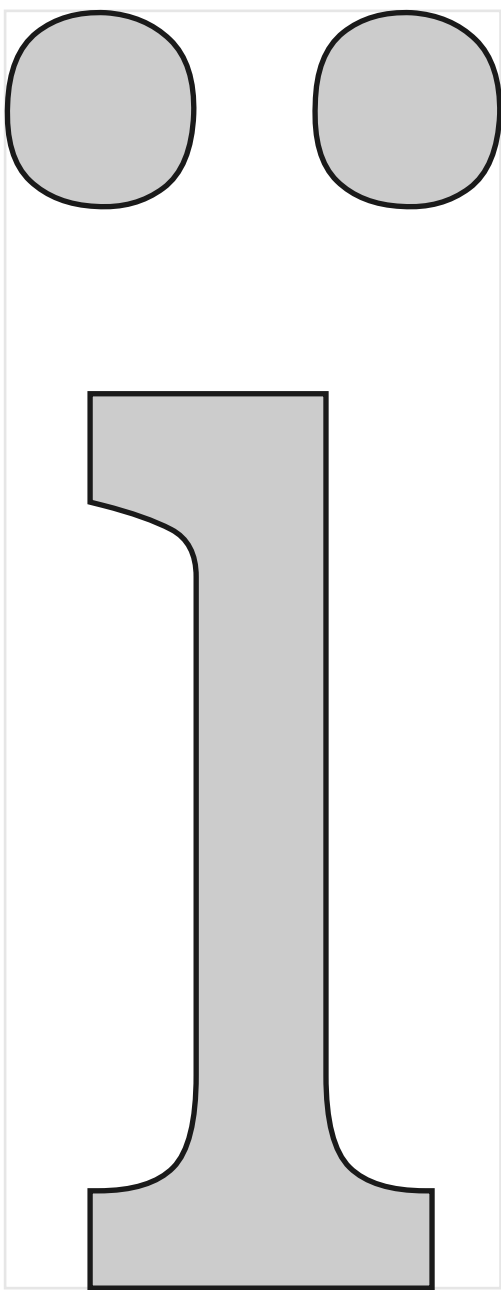
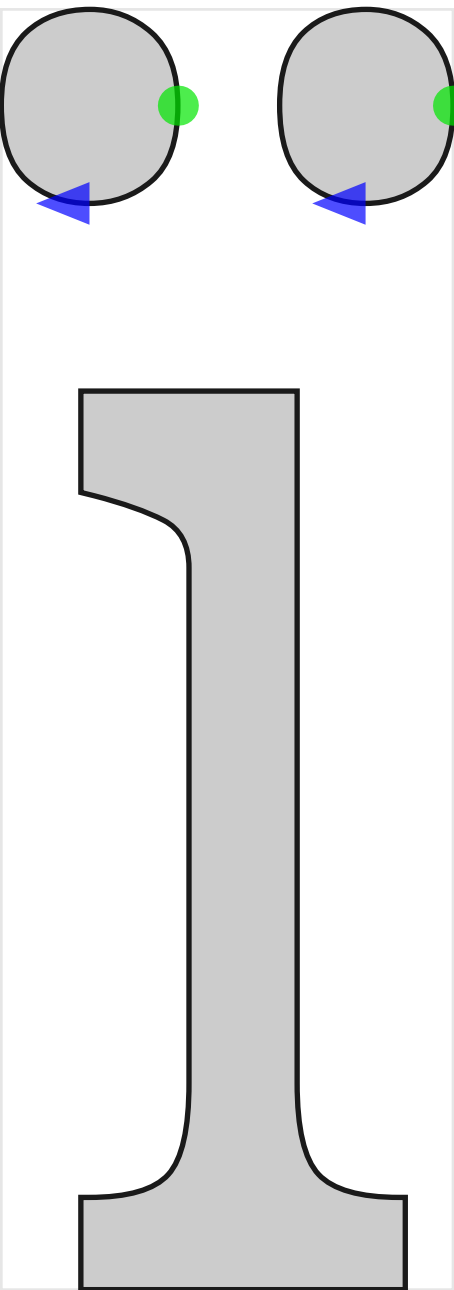


midway interpolation



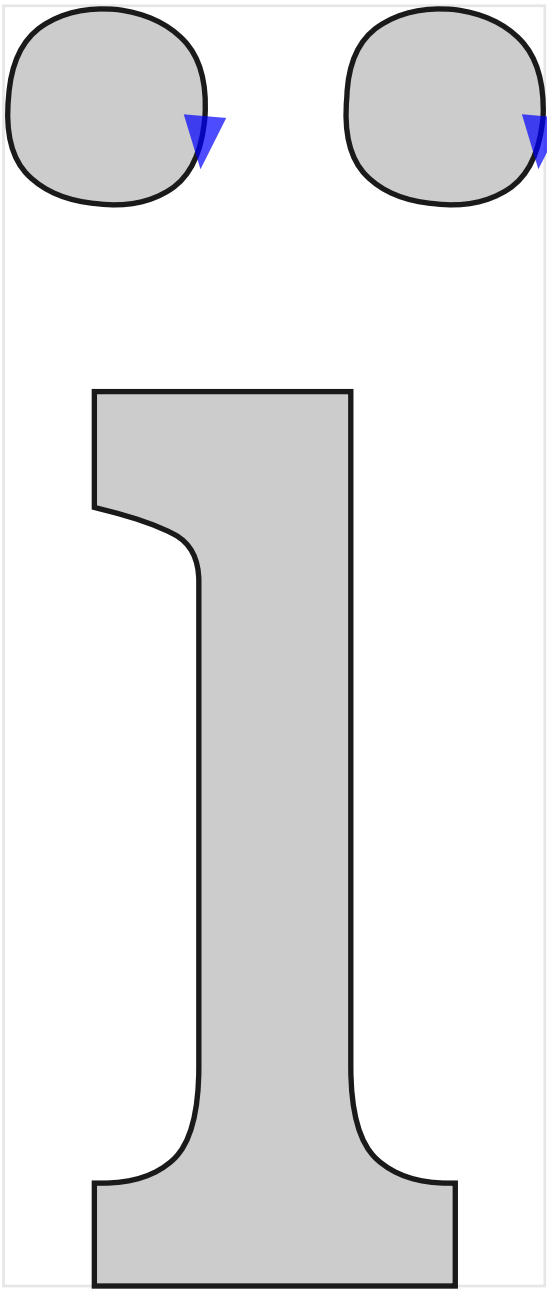
'GRAD=100.0 opsz=8.0 width=50.0 wght=100.0'

proposed fix

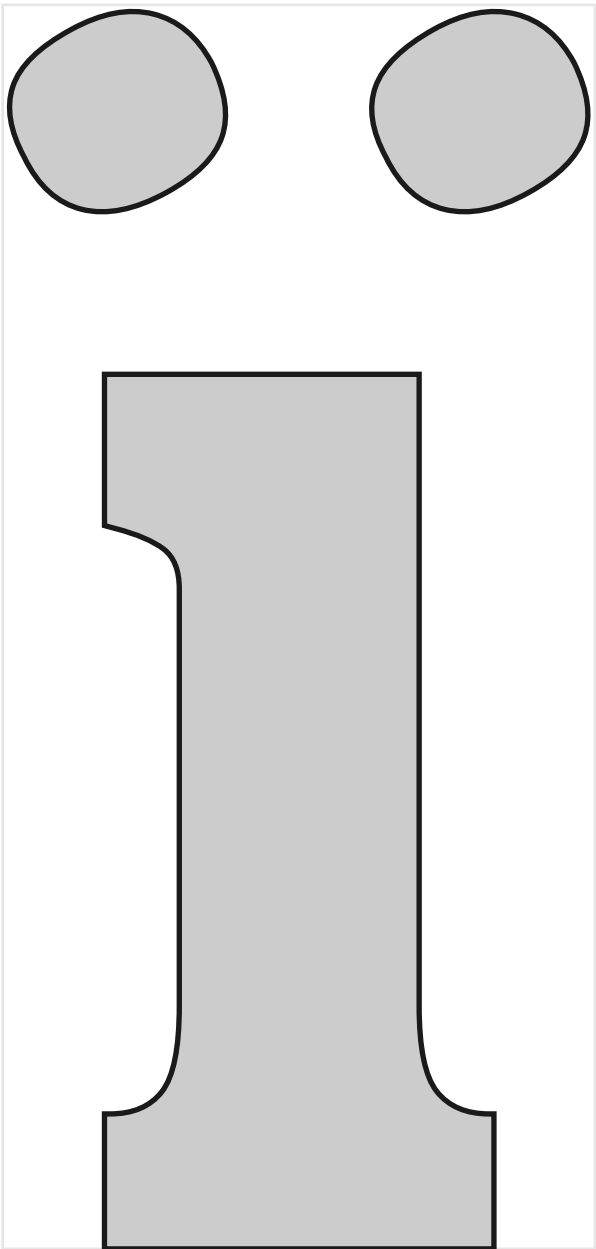


wrong\_start\_point

'GRAD=100.0 opsz=8.0 width=50.0'

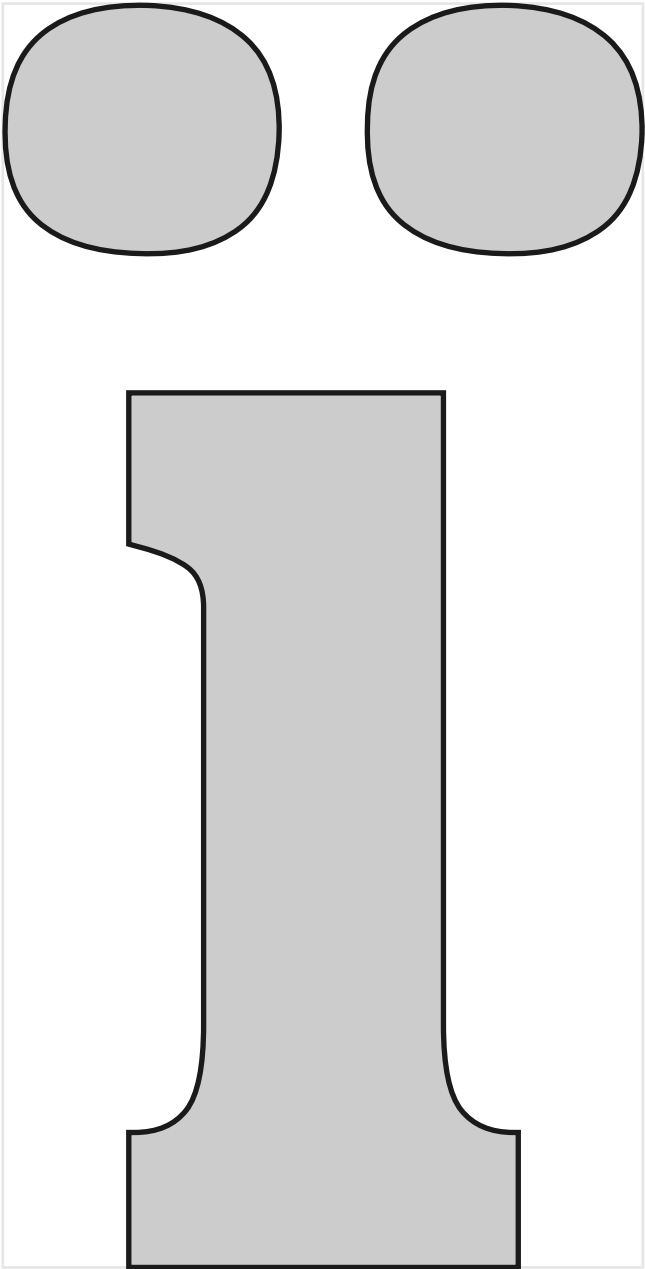
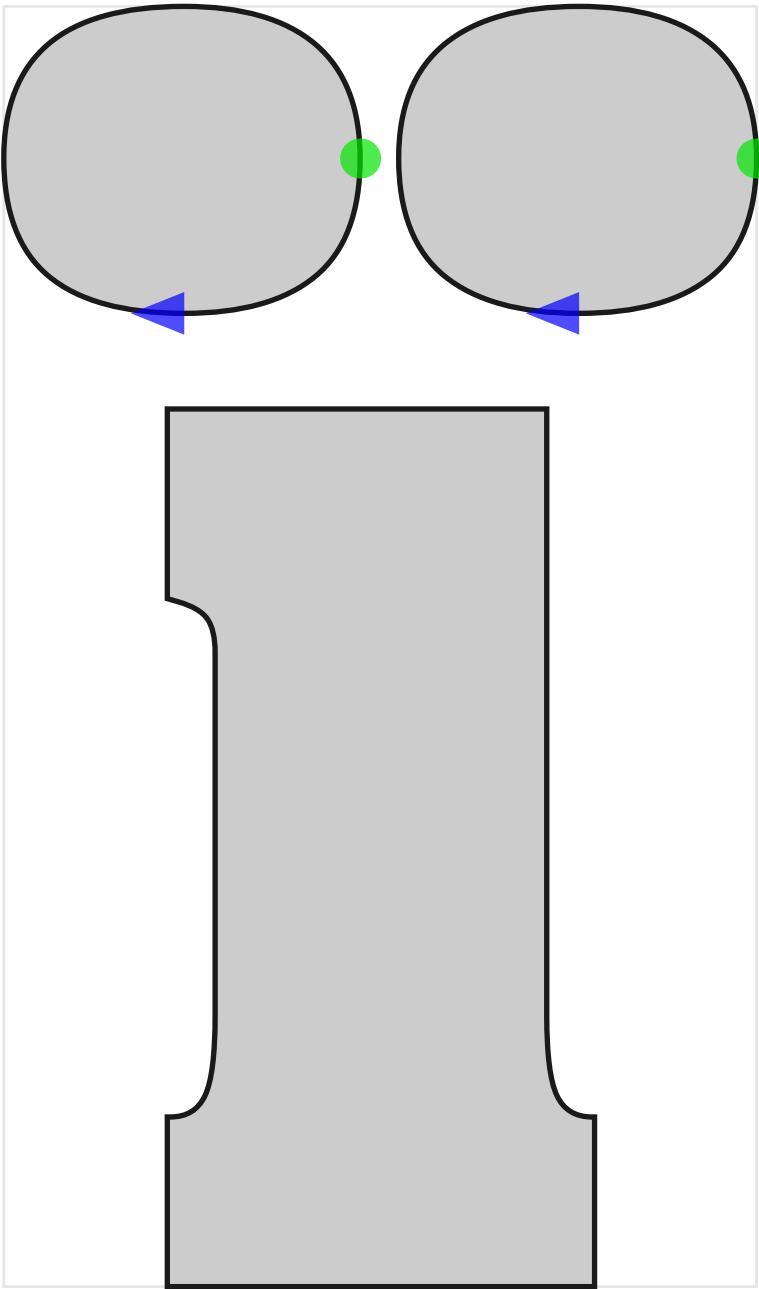


midway interpolation



'GRAD=100.0 opsz=8.0 width=50.0 wght=900.0'

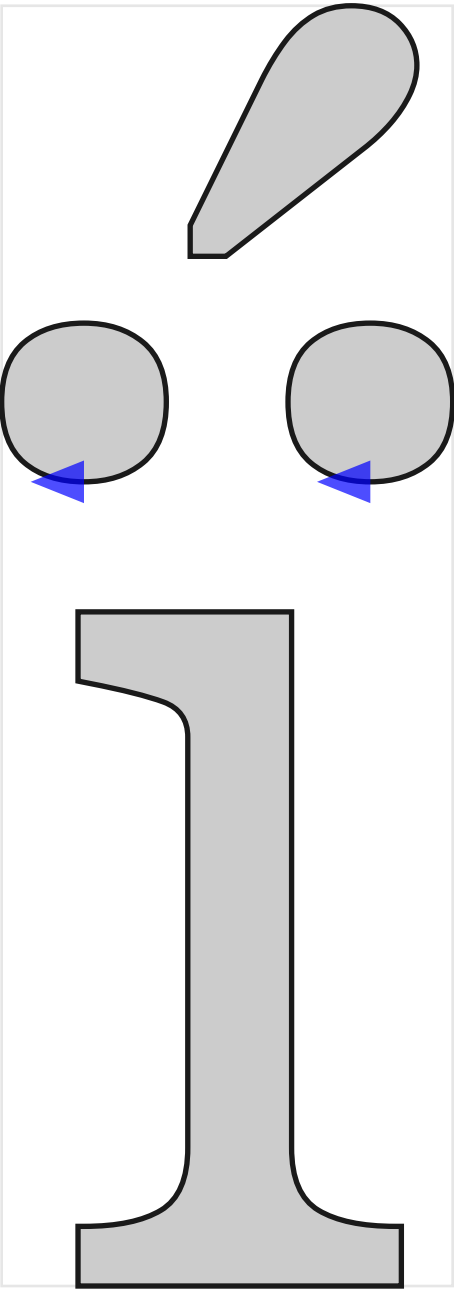
proposed fix



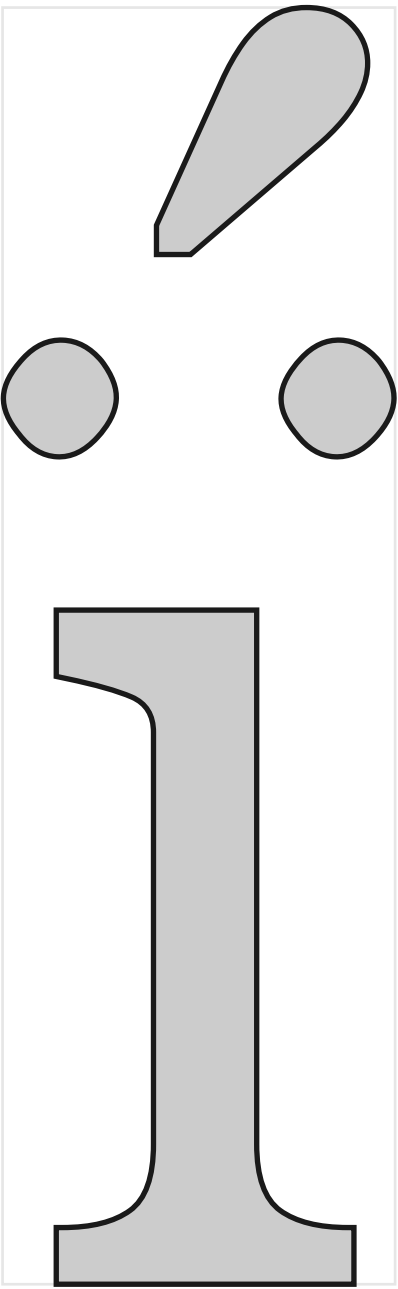


wrong\_start\_point

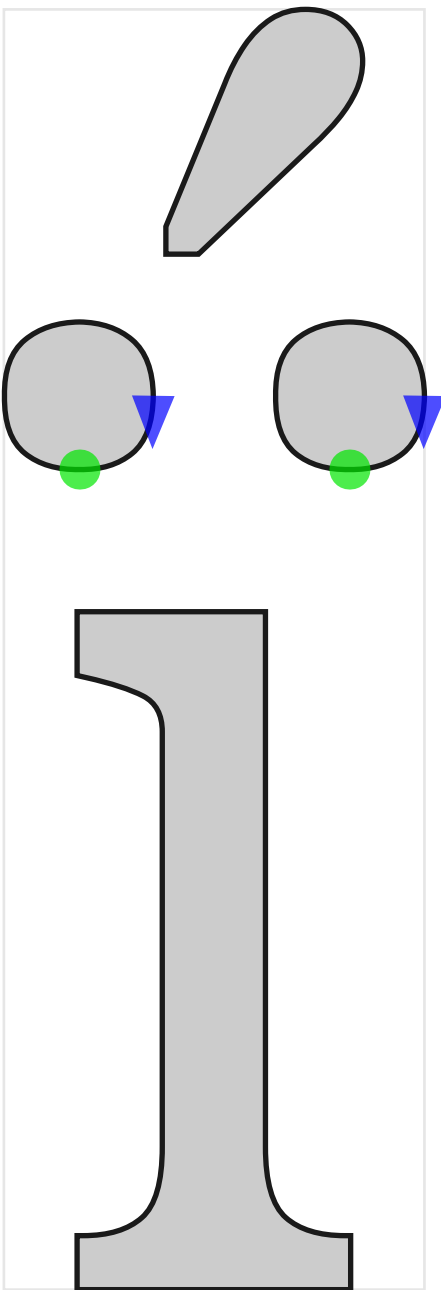
'opsz=8.0'



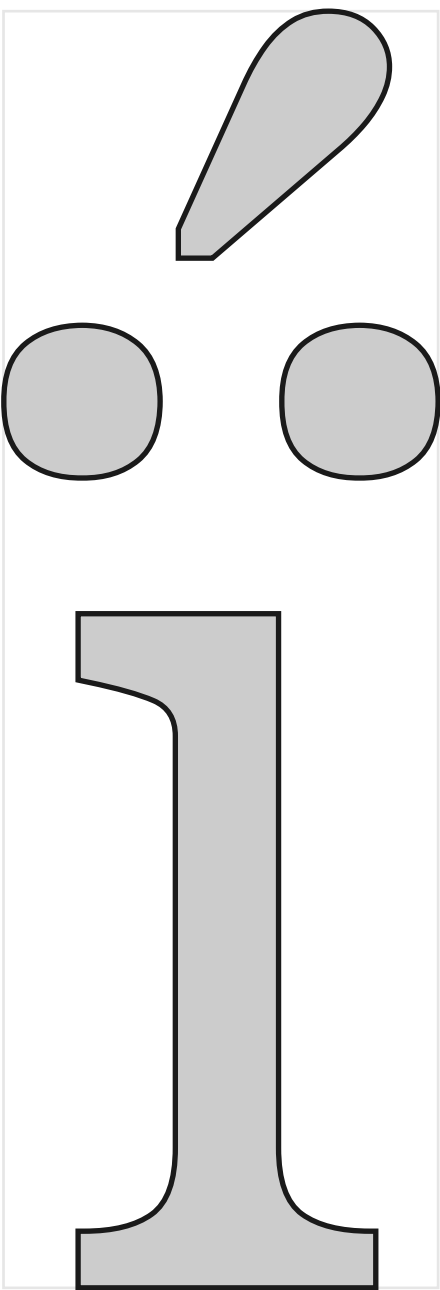
midway interpolation



'opsz=8.0 width=50.0'

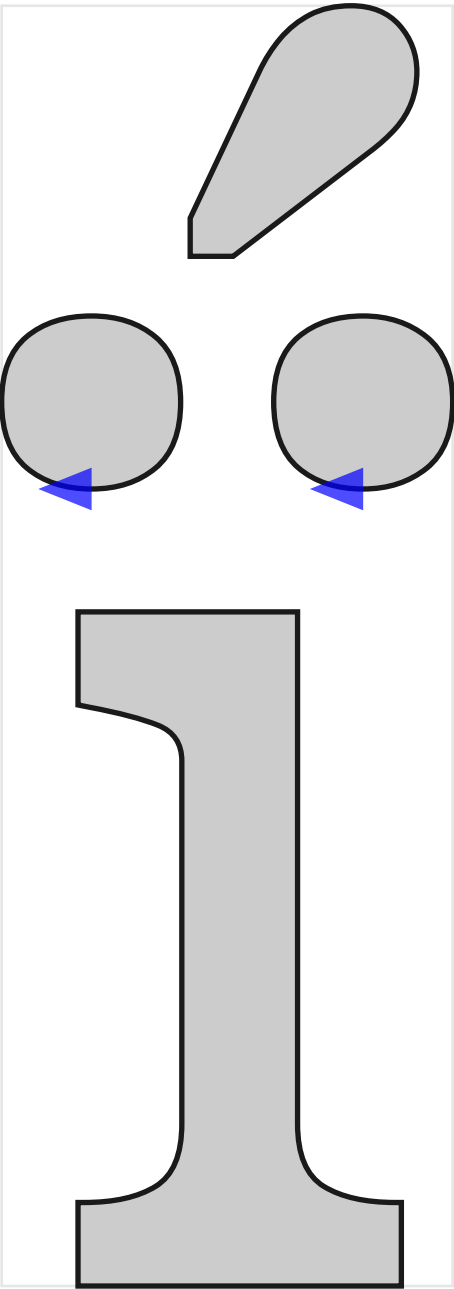


proposed fix

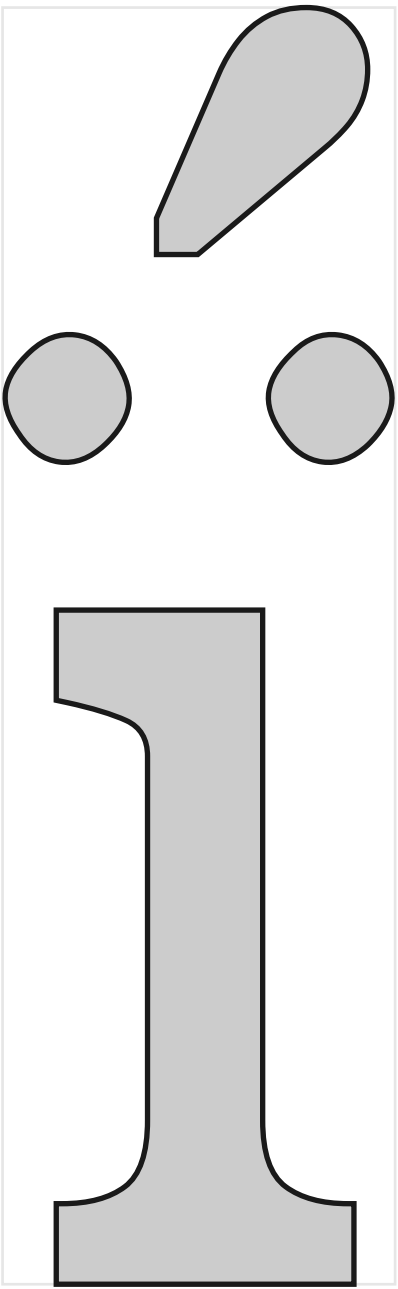


wrong\_start\_point

'GRAD=100.0 opsz=8.0'

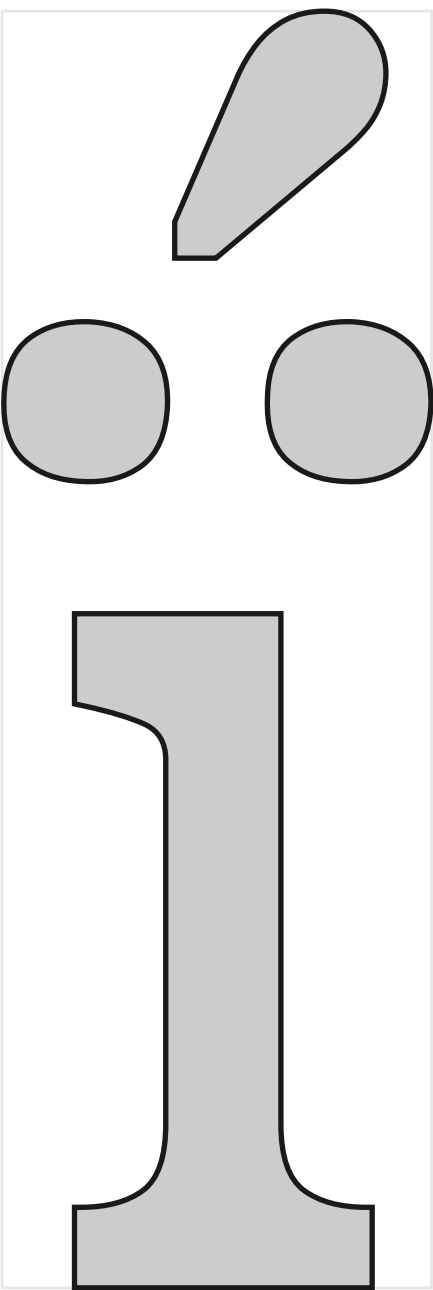
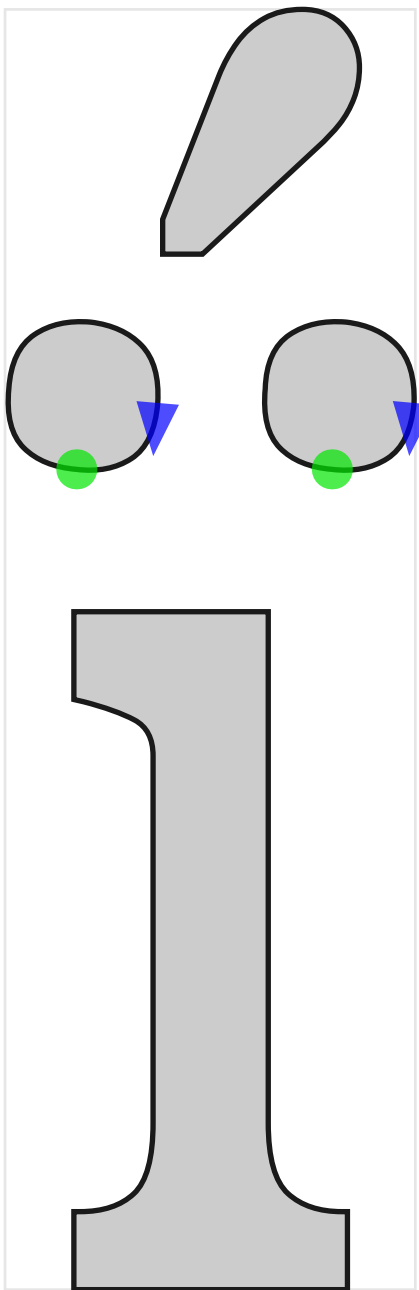


midway interpolation



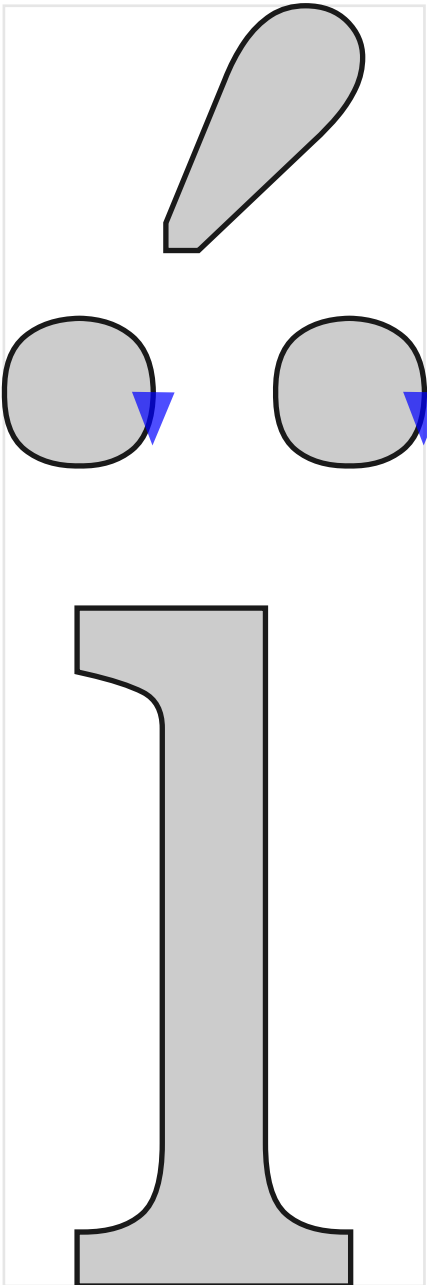
'GRAD=100.0 opsz=8.0 width=50.0'

proposed fix

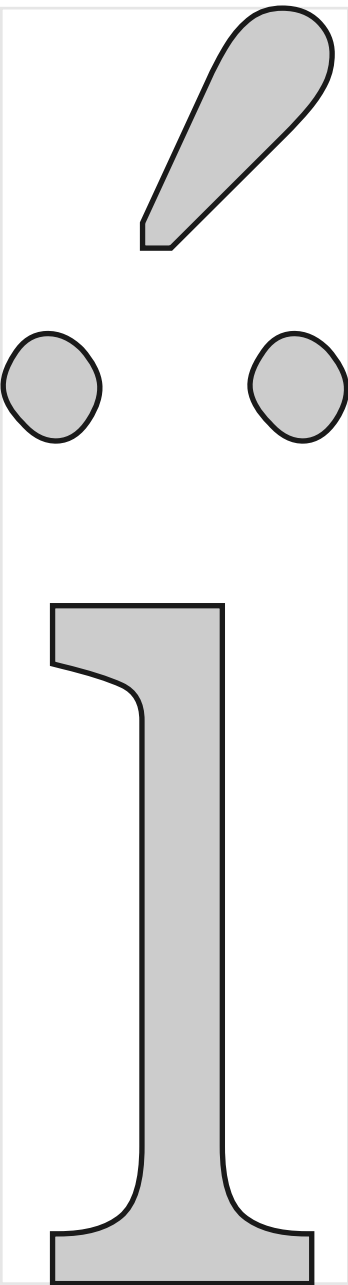


wrong\_start\_point

'opsz=8.0 width=50.0'

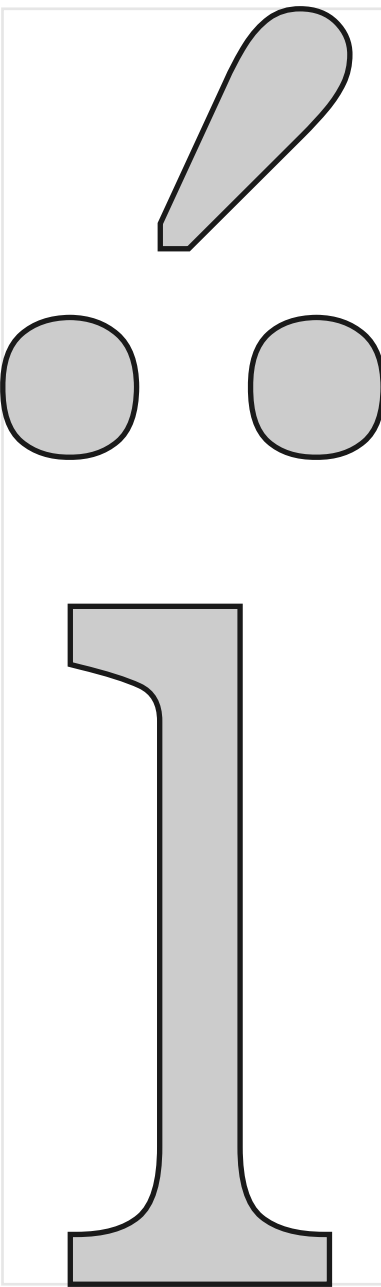
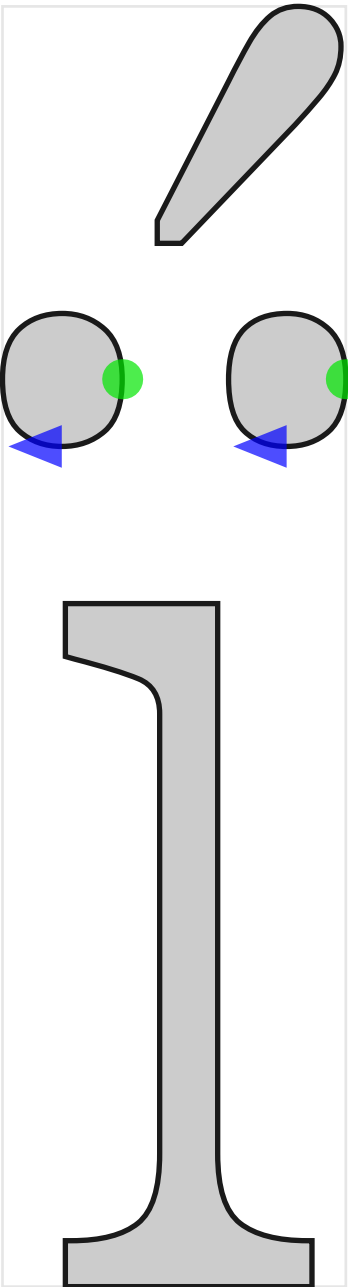


midway interpolation



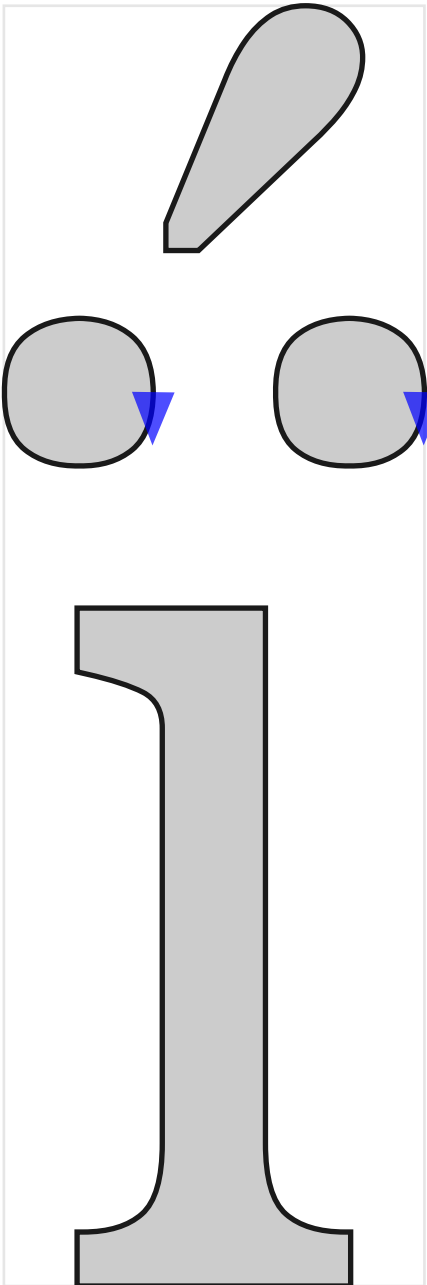
'opsz=8.0 width=50.0 wght=100.0'

proposed fix

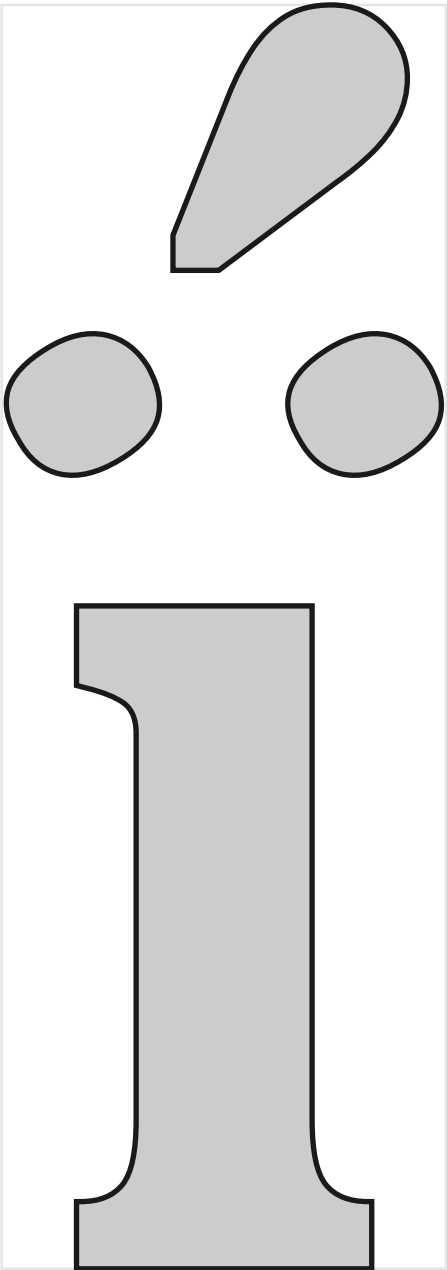


wrong\_start\_point

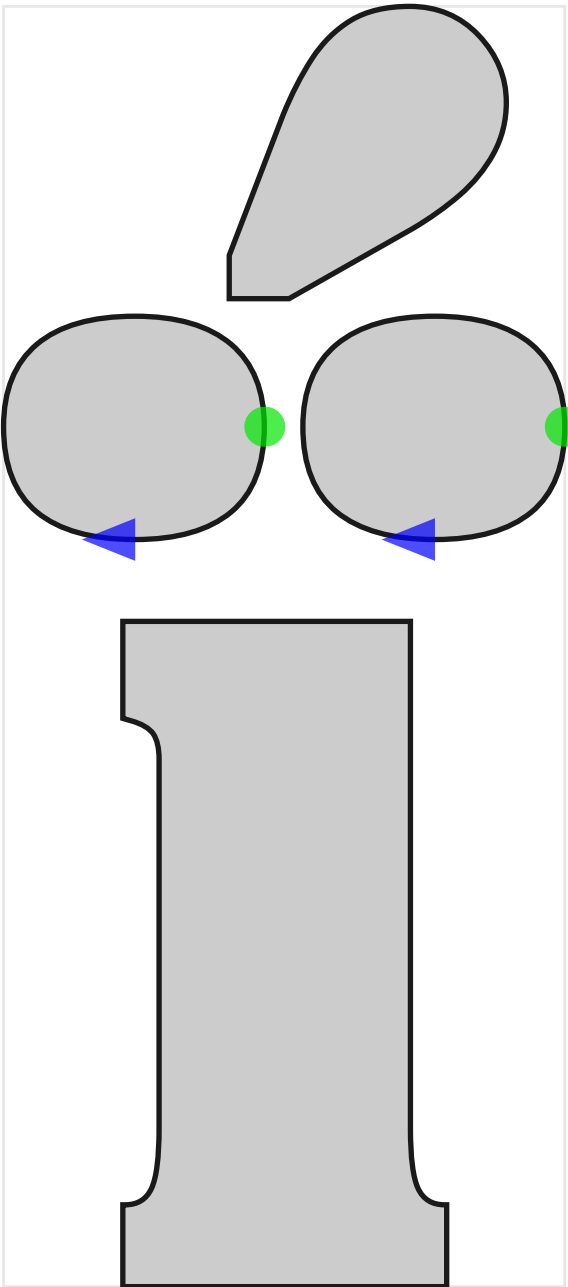
'opsz=8.0 width=50.0'



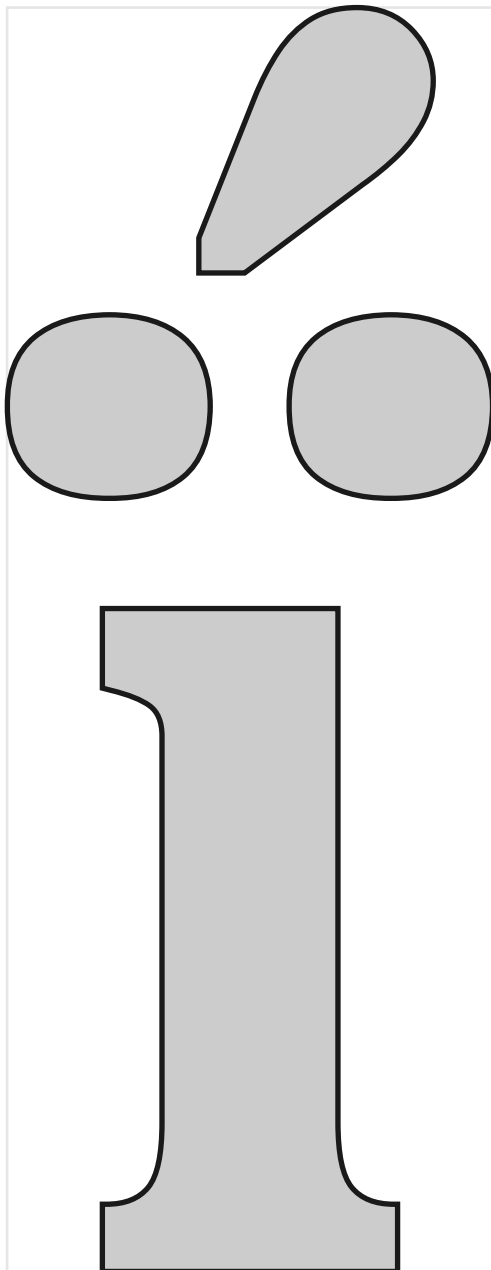
midway interpolation



'opsz=8.0 width=50.0 wght=900.0'

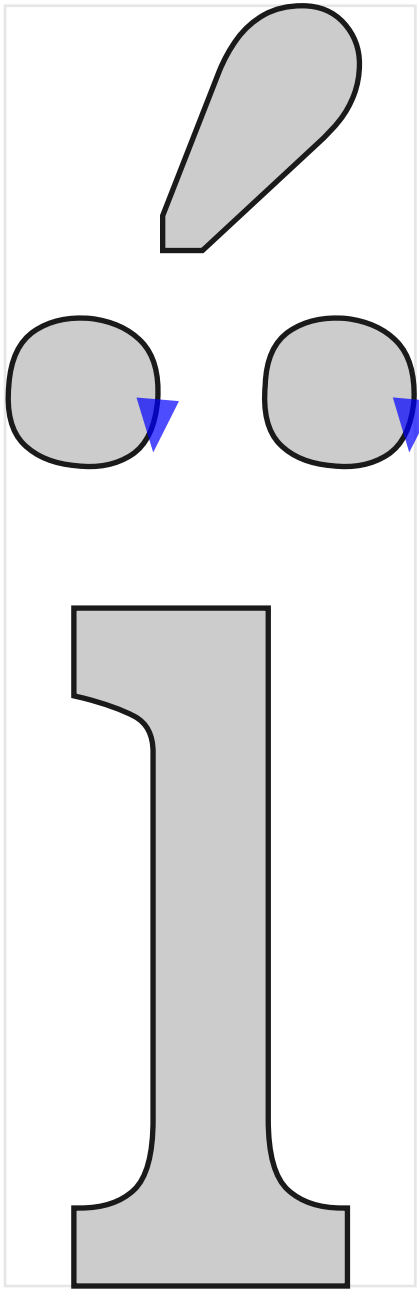


proposed fix

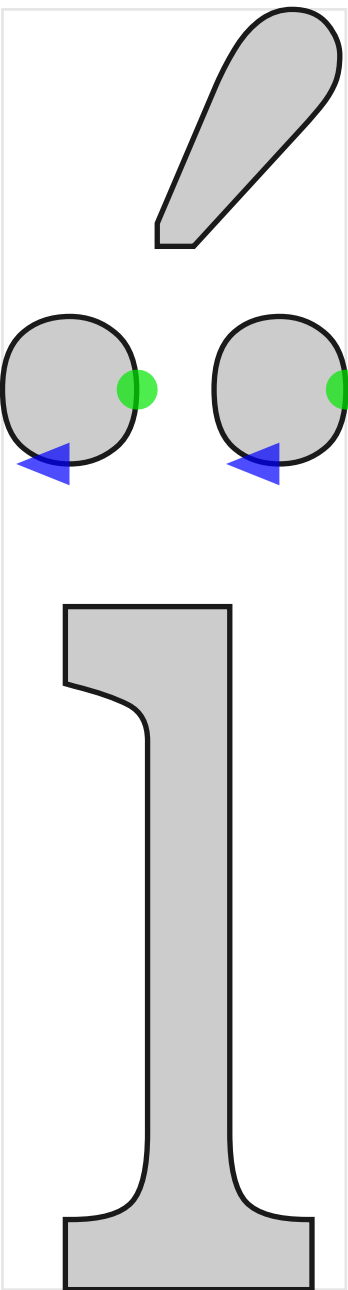


wrong\_start\_point

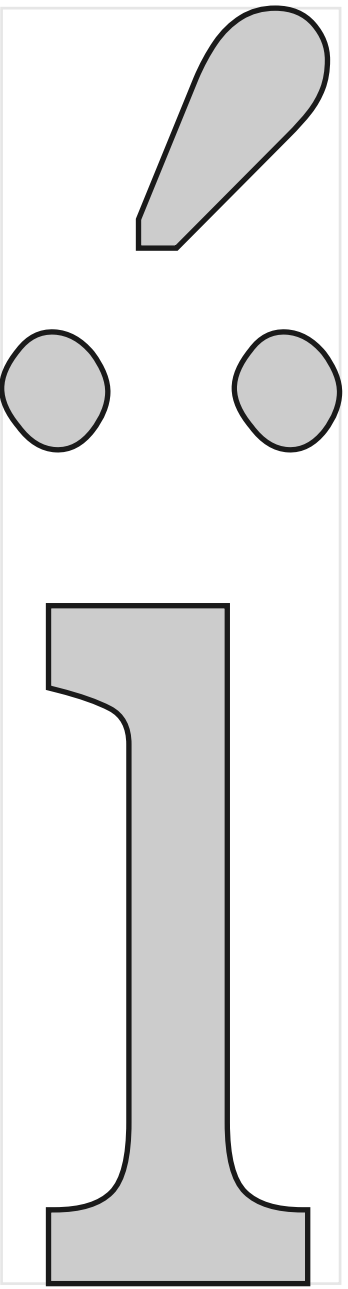
'GRAD=100.0 opsz=8.0 width=50.0'



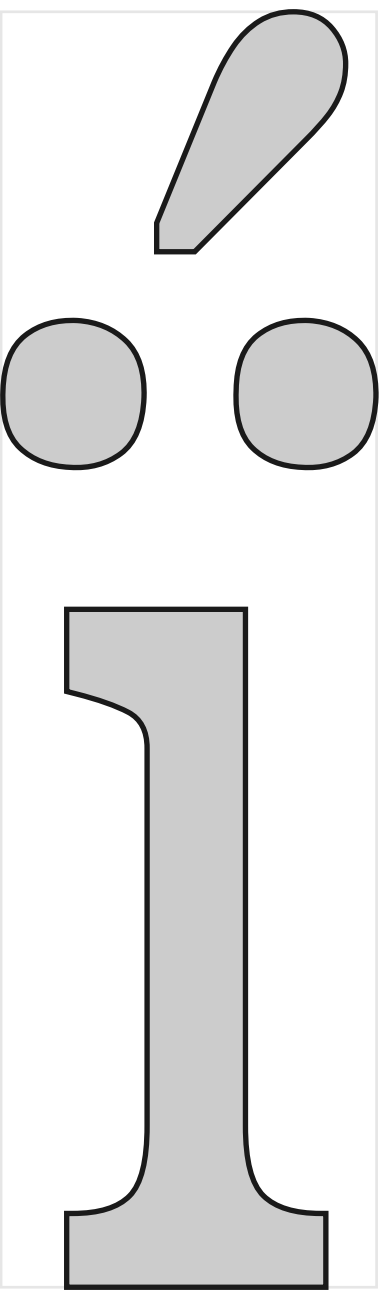
'GRAD=100.0 opsz=8.0 width=50.0 wght=100.0'



midway interpolation

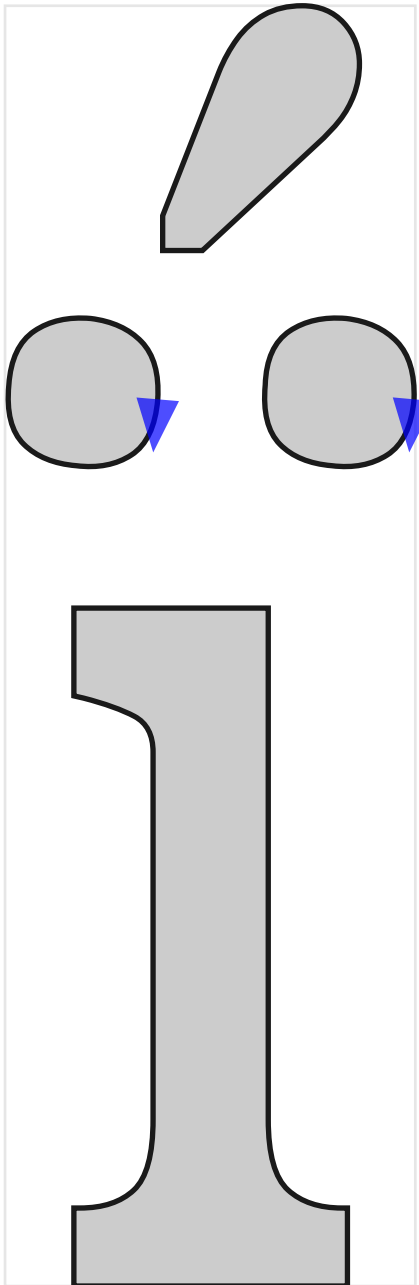


proposed fix

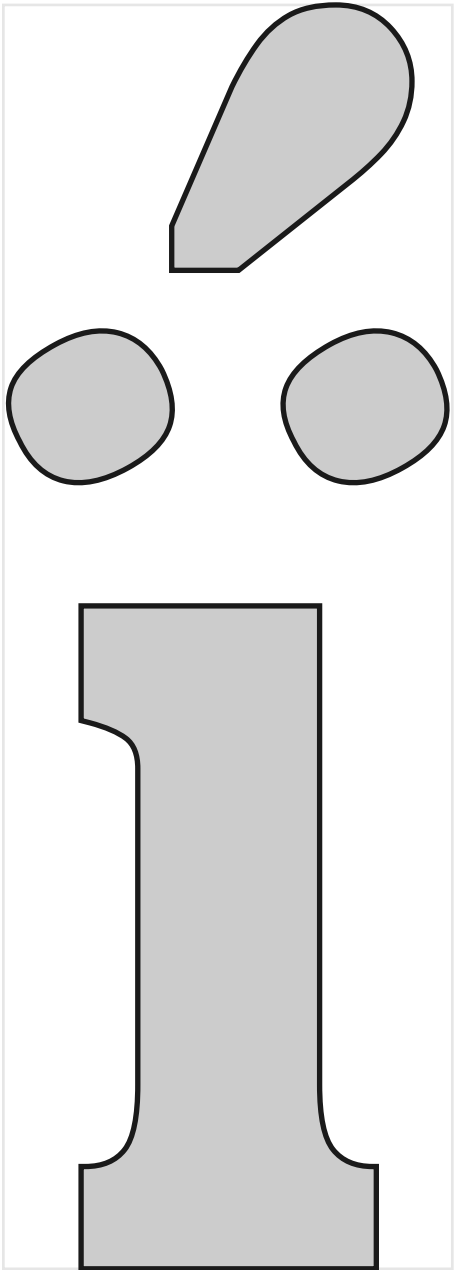


wrong\_start\_point

'GRAD=100.0 opsz=8.0 width=50.0'

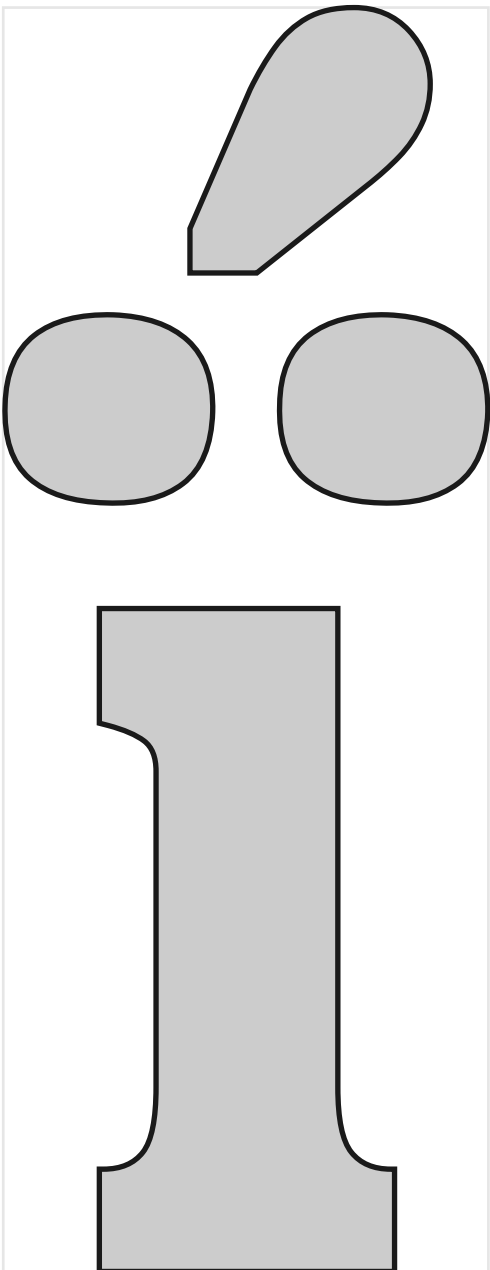
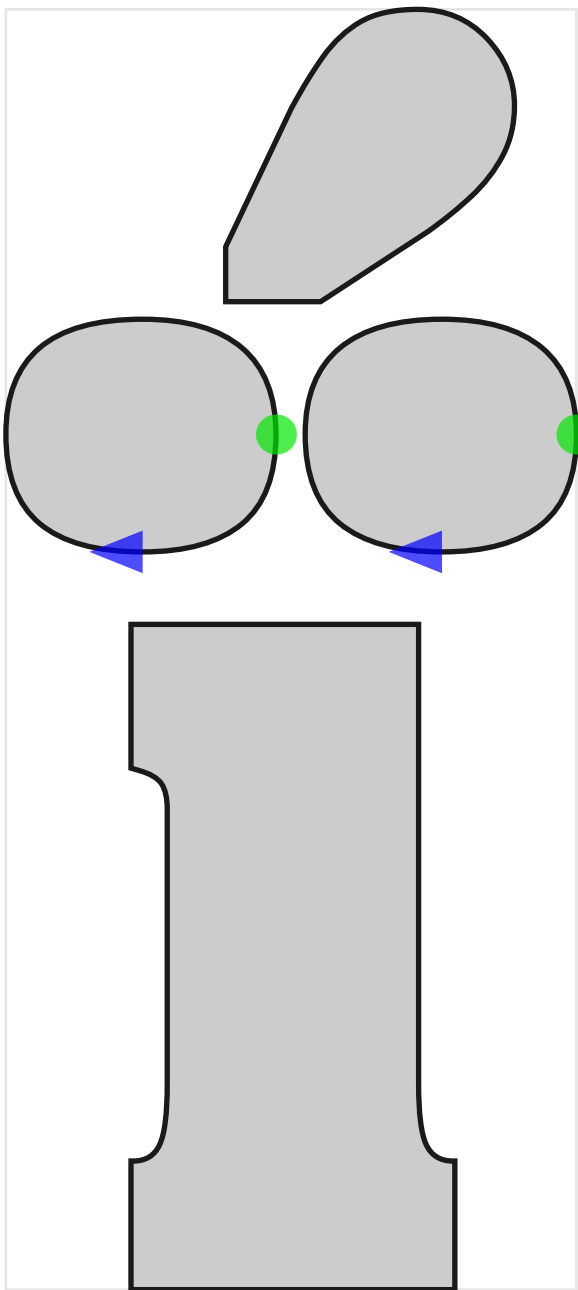


midway interpolation



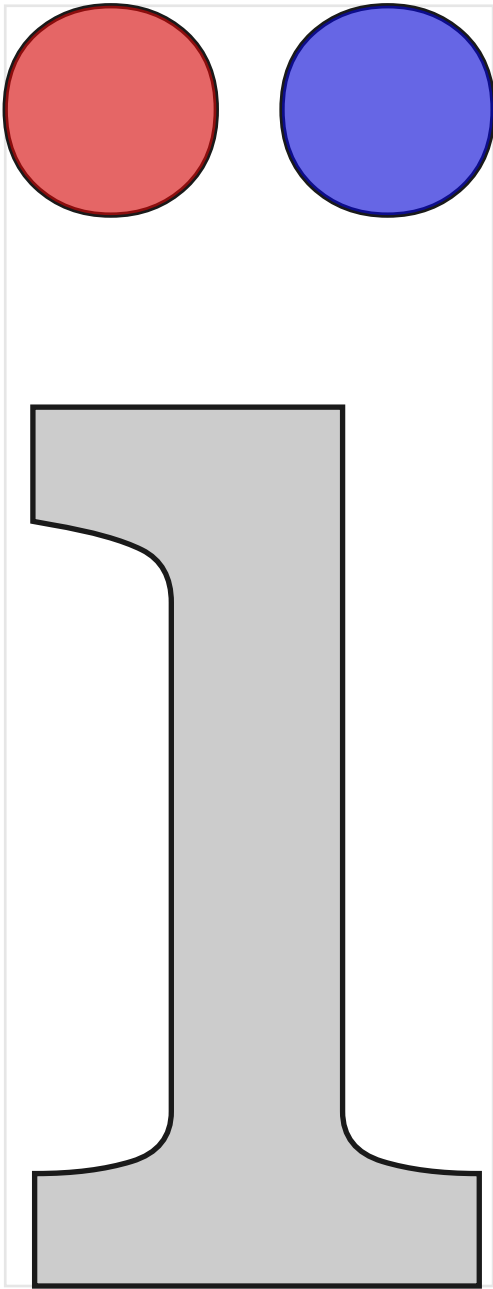
'GRAD=100.0 opsz=8.0 width=50.0 wght=900.0'

proposed fix

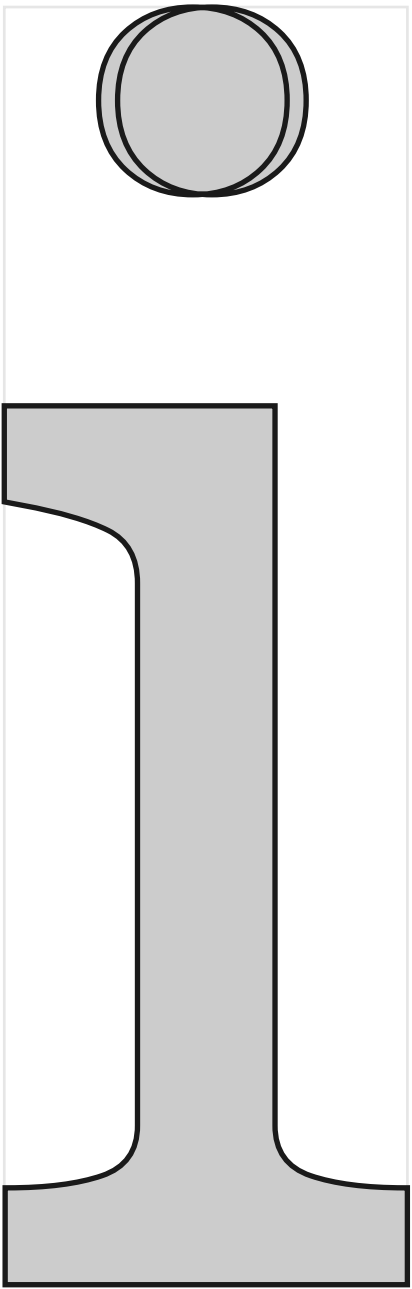


contour\_order

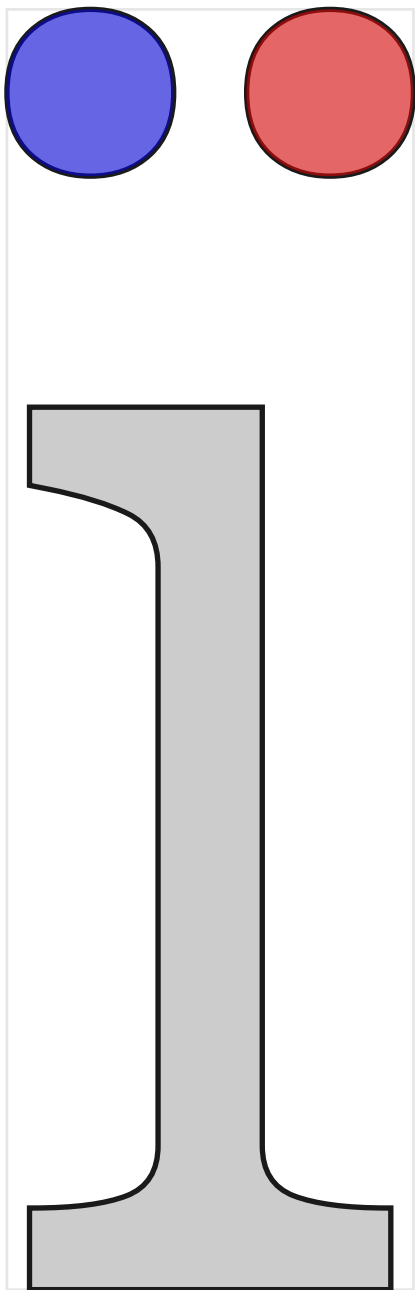
'GRAD=100.0'



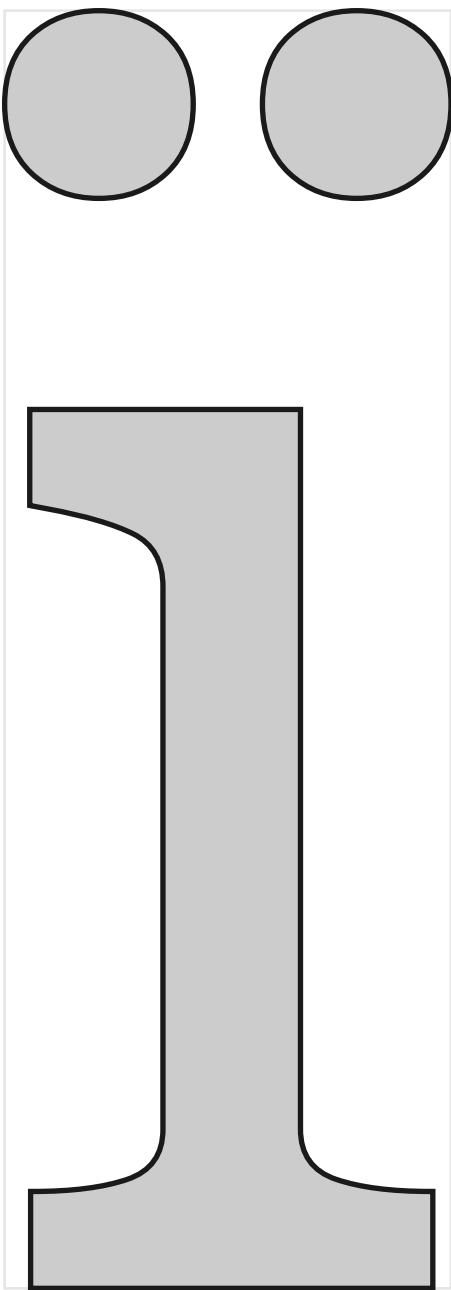
midway interpolation



'GRAD=100.0 wght=100.0'

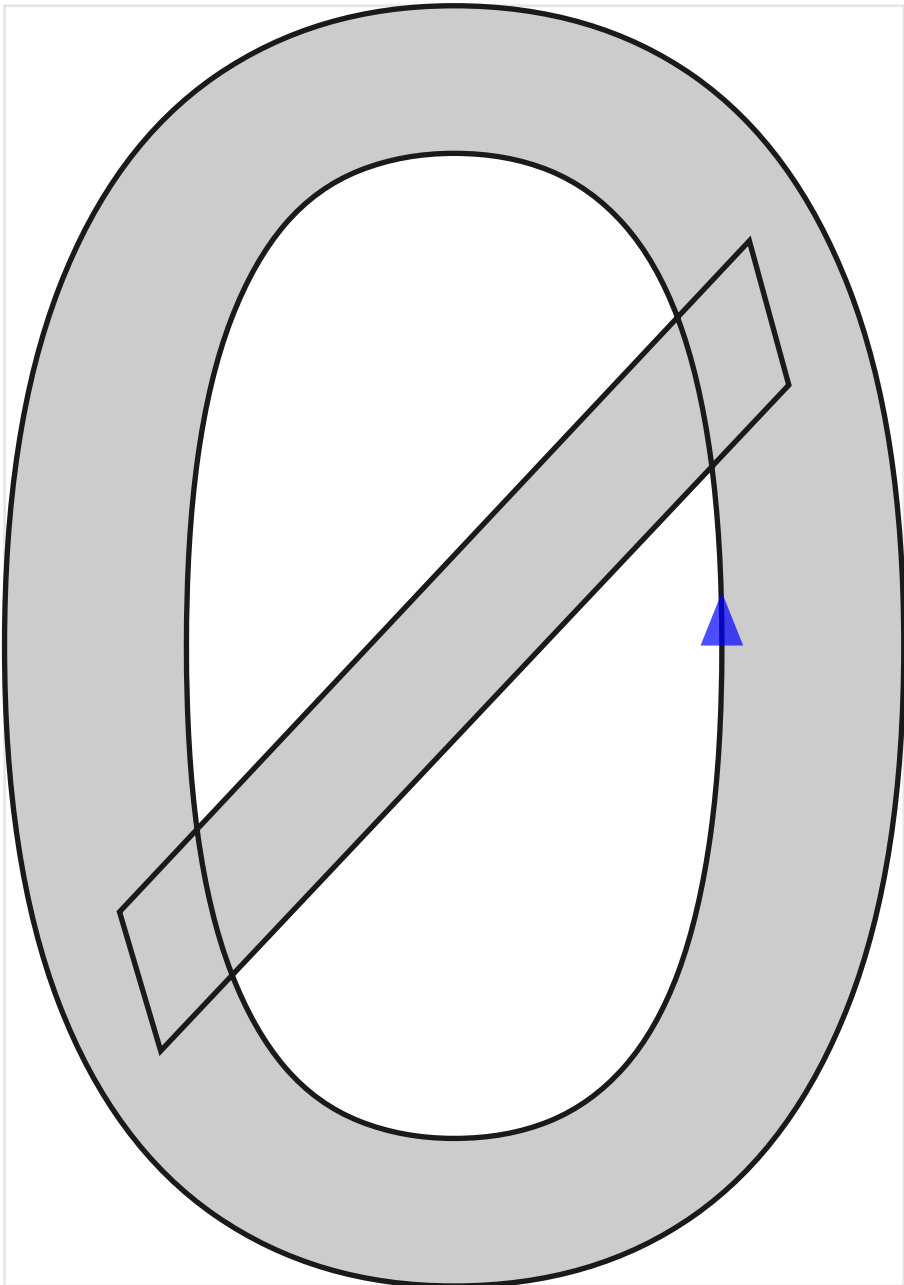


proposed fix

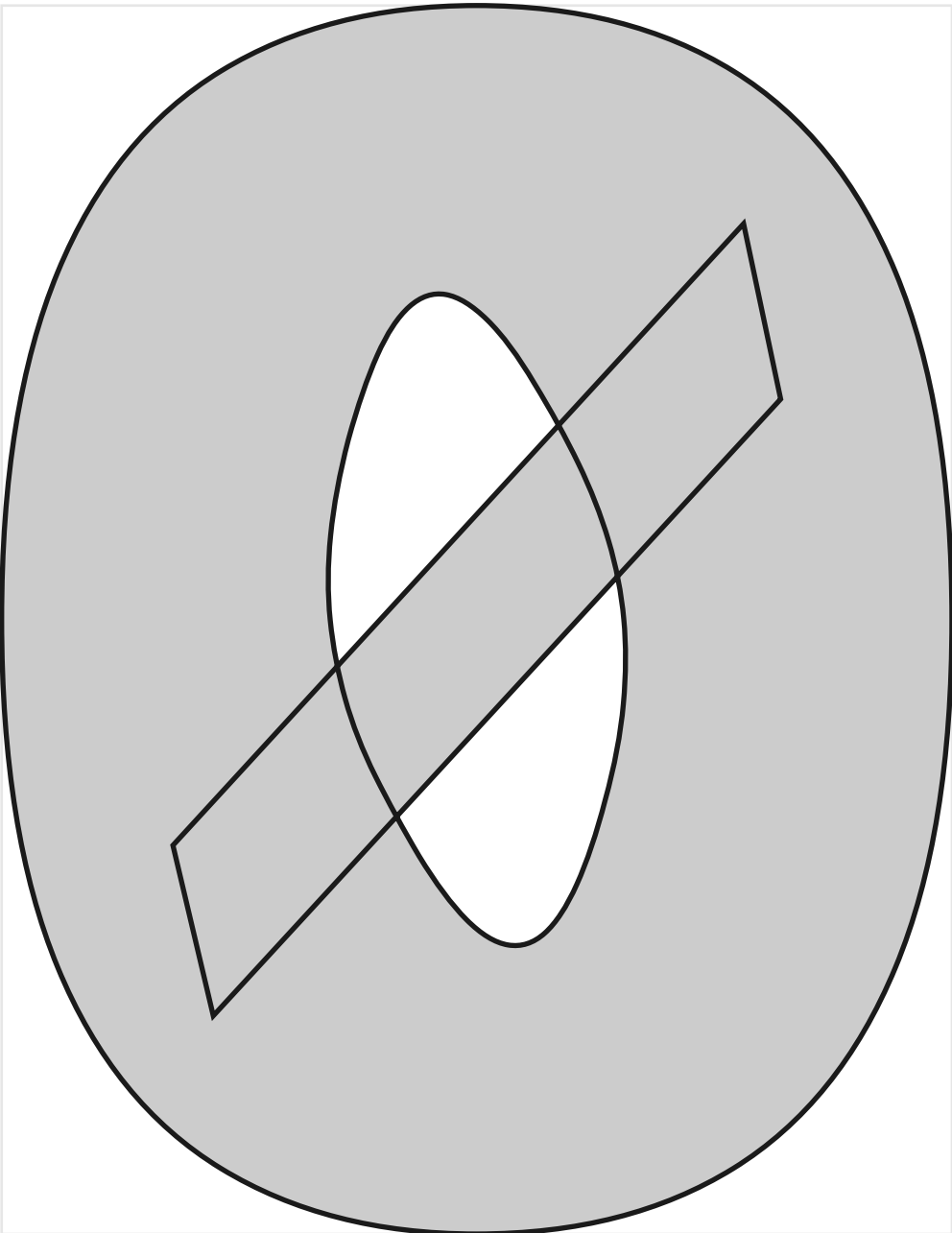


wrong\_start\_point

'GRAD=100.0 opsz=8.0 width=150.0'



midway interpolation



'GRAD=100.0 opsz=8.0 width=150.0 wght=900.0'

proposed fix

