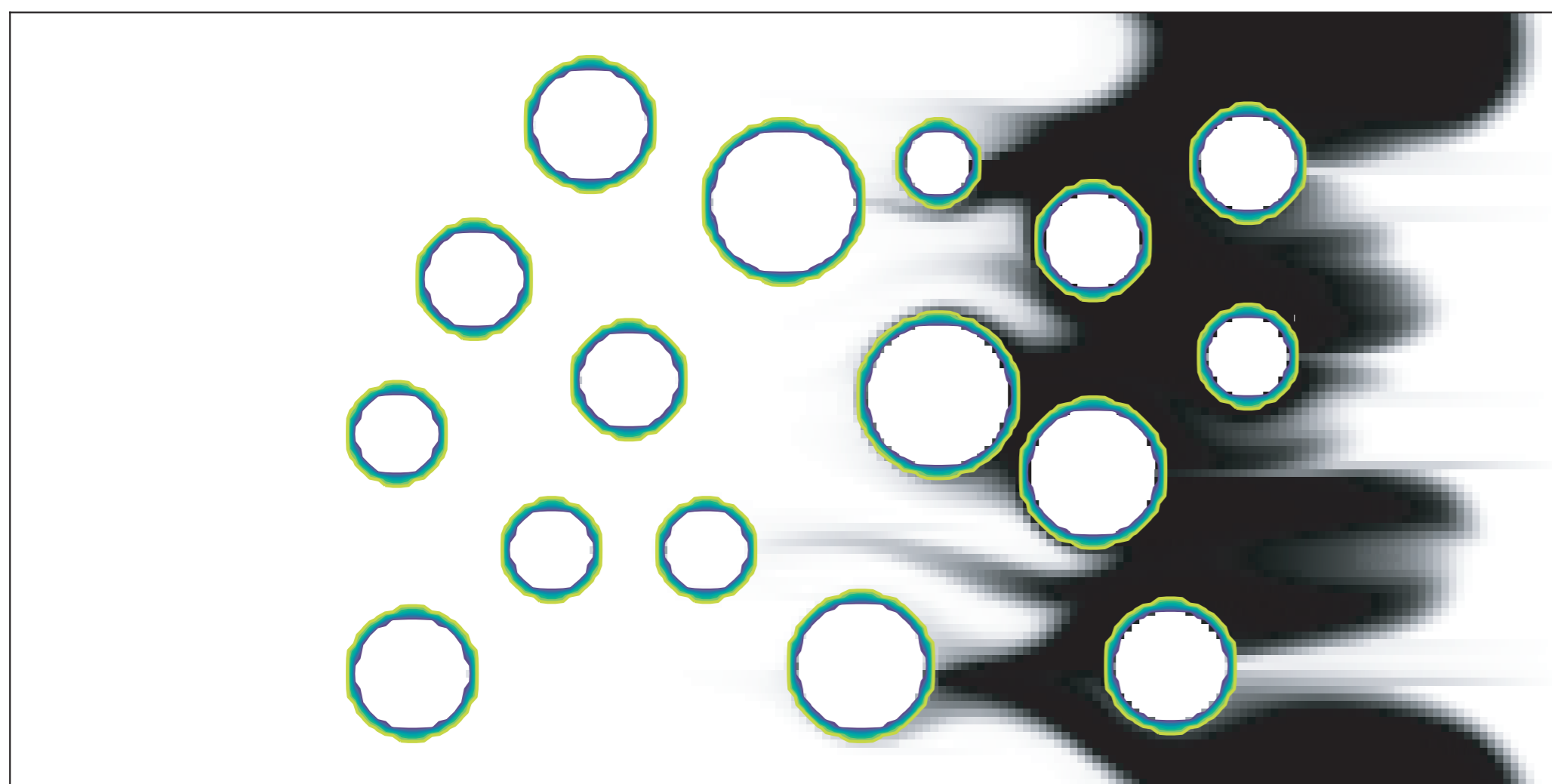
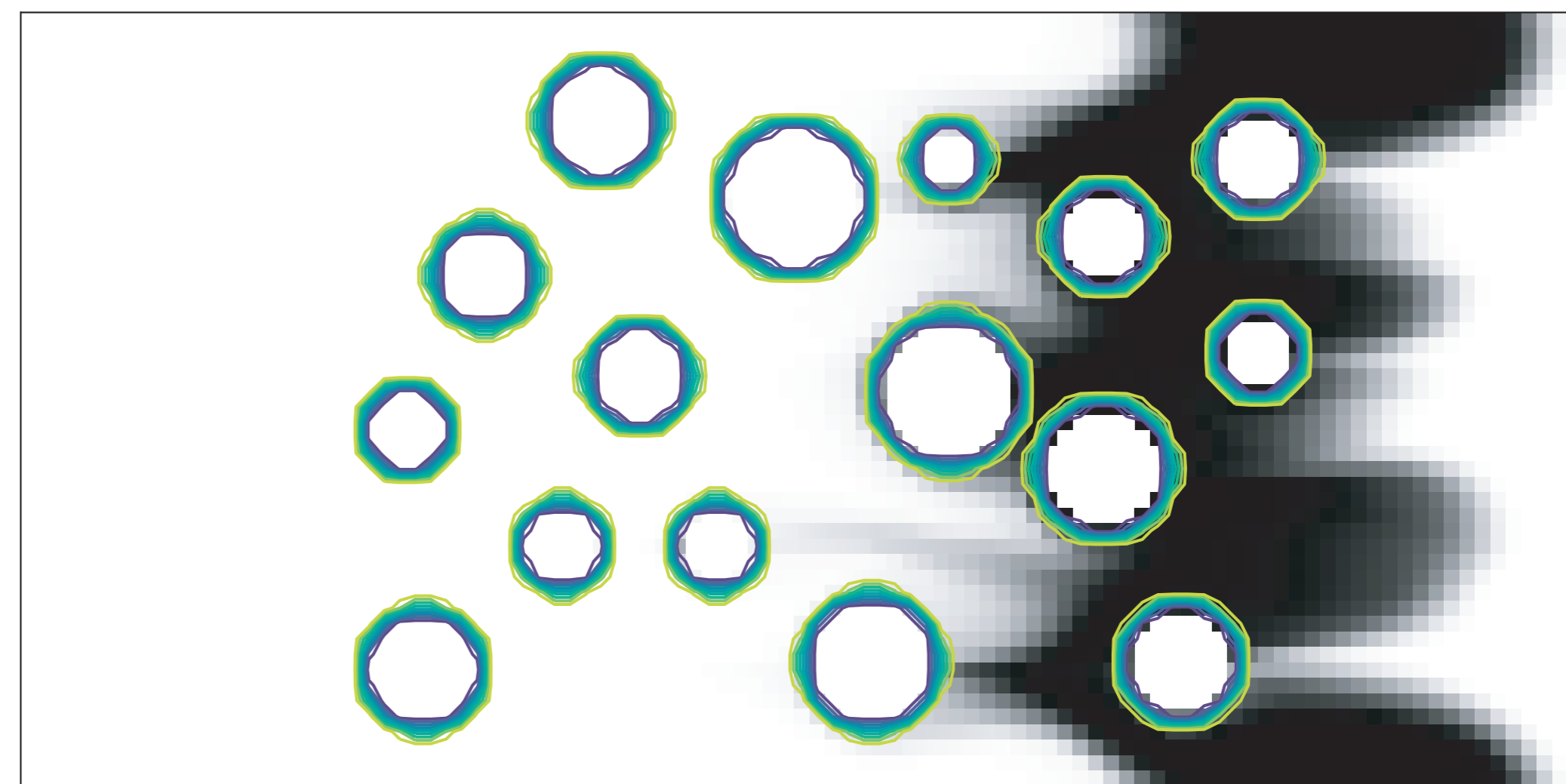


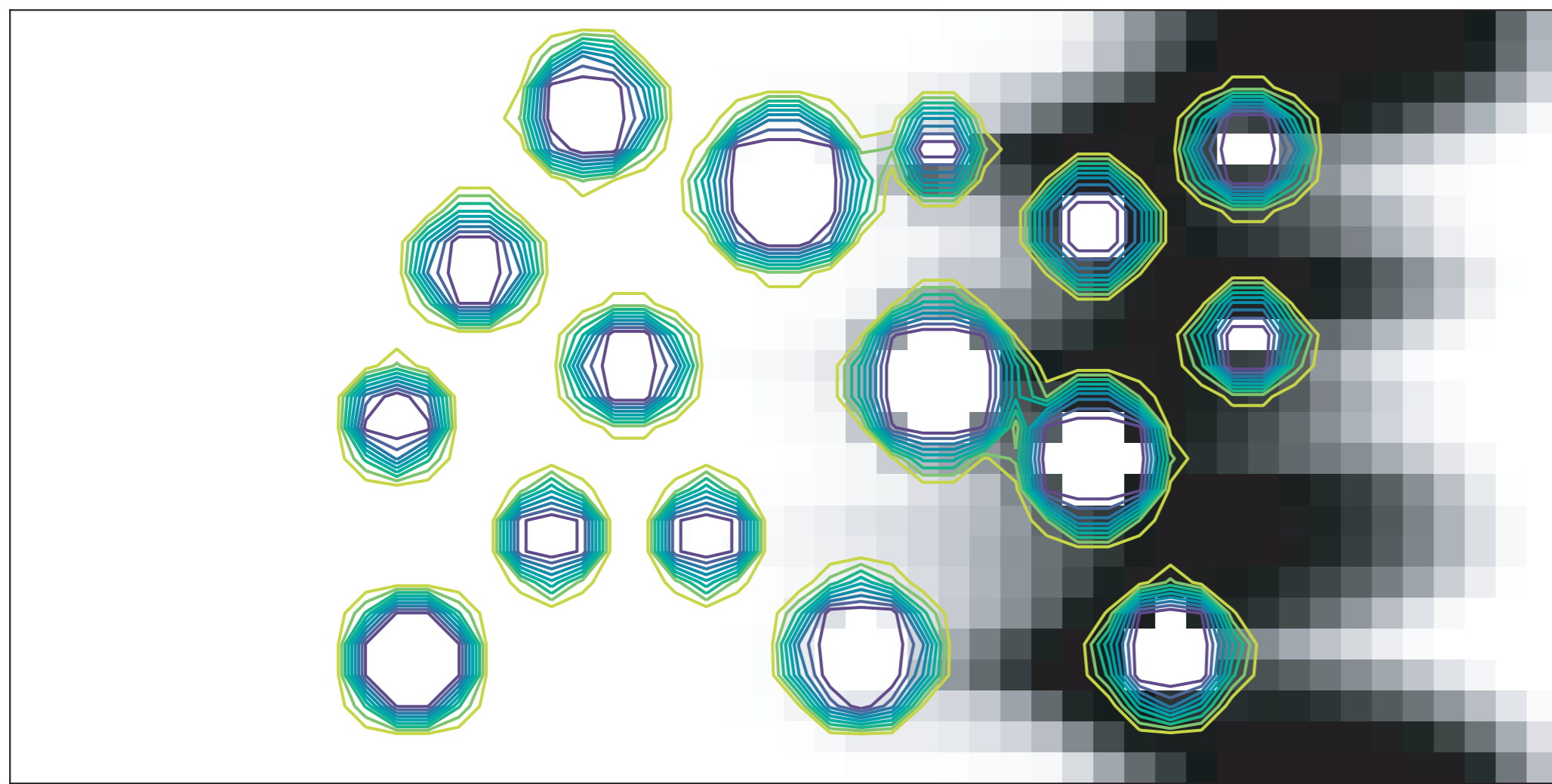
(a)



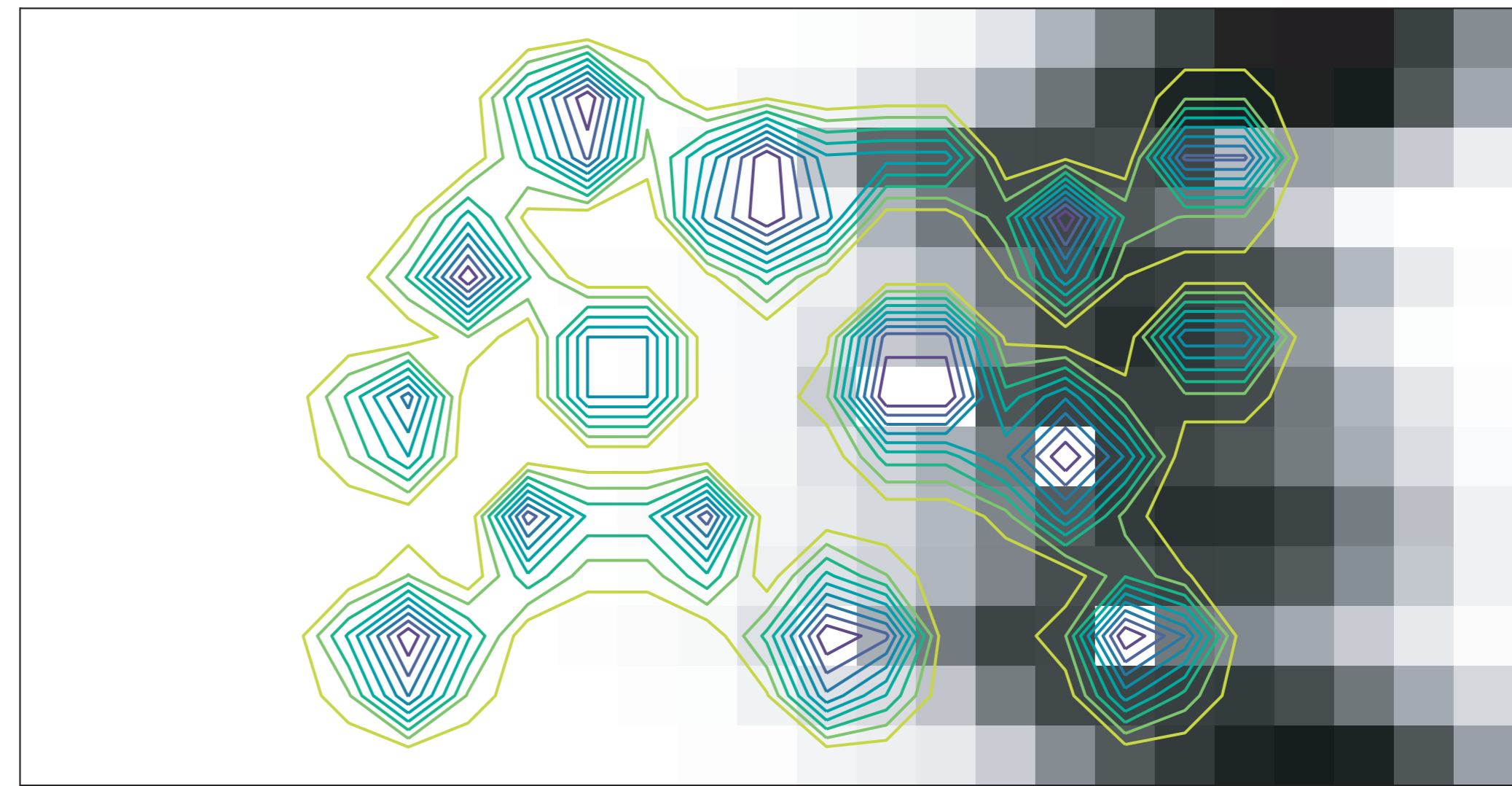
(b)



(c)



(d)



fractional cell volume x bulk concentration

1.0
0.8
0.6
0.4
0.2
0.0

1.0
0.8
0.6
0.4
0.2
0.0