Model type: RBF Experiment possibilities 120 100 Frequency density 80 60 40 20 0.0 1.6×10^{7} 0.2 0.8 1.2 0.40.6 1.0 1.4 Loss

Layout: 0, chance: 59.049%, loss: 999541.0

Simulation temperature field

Predicted temperature field

0.020

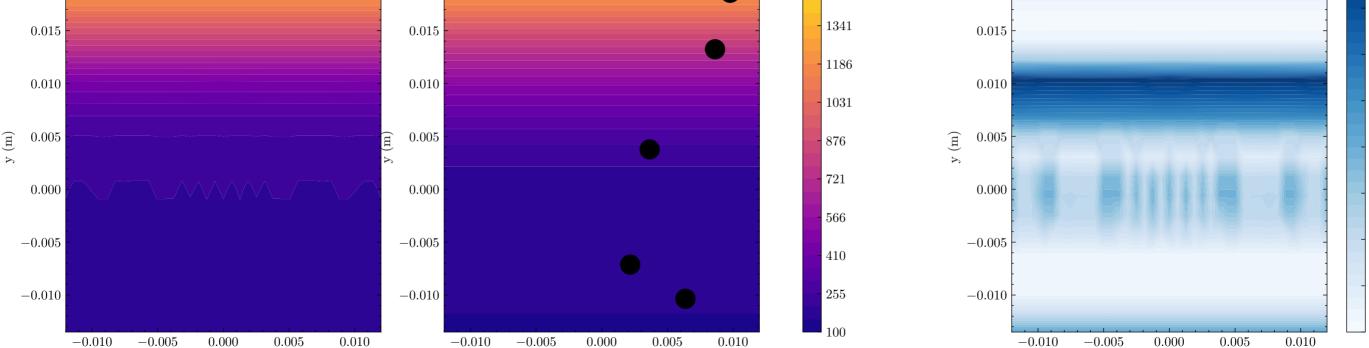
1497

1497

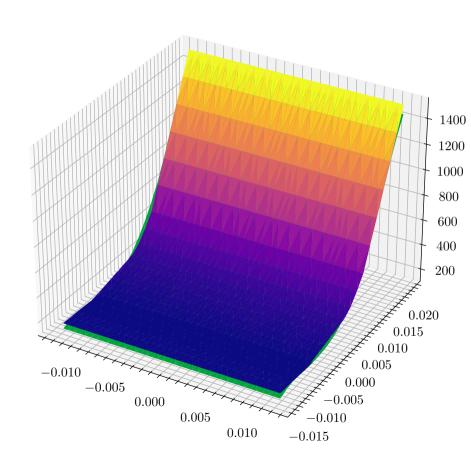
1497

x(m)

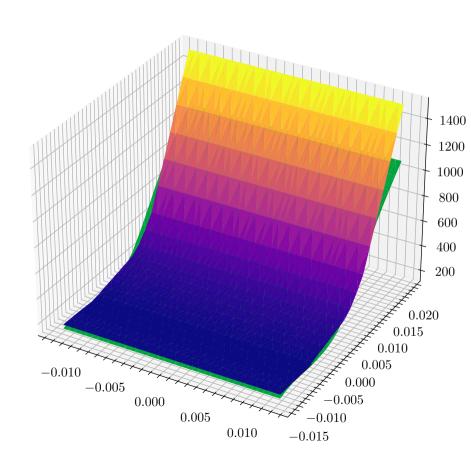
x(m)



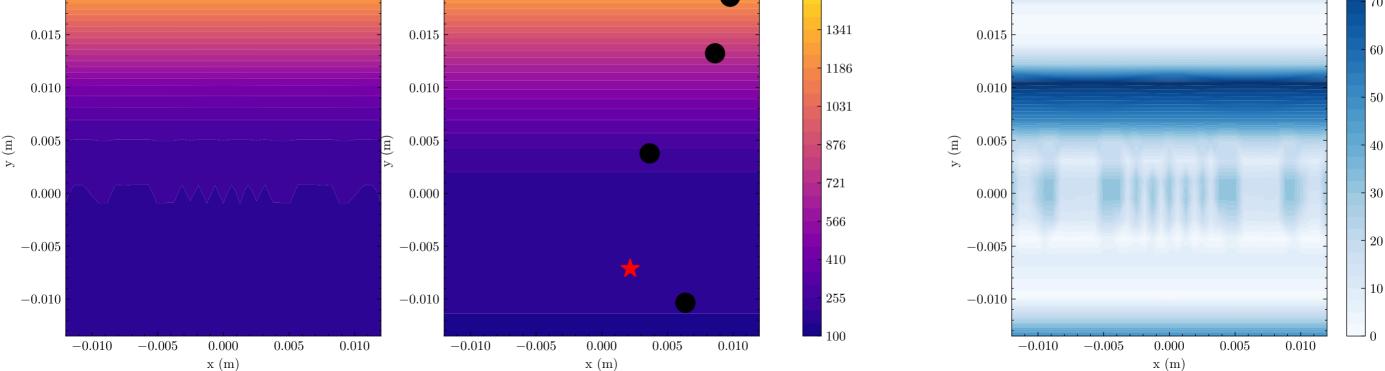
x (m)

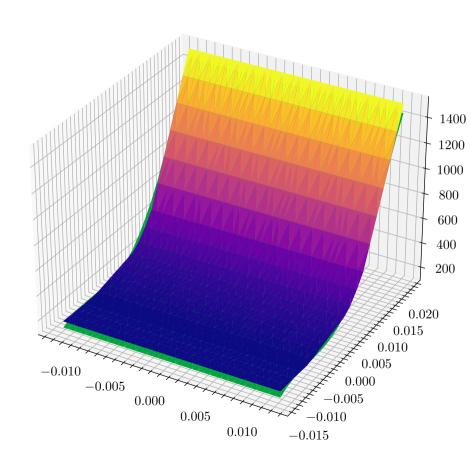


Layout: 1, chance: 6.561%, loss: 15363124.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.020 0.0201497 405 1341 360 0.0150.015 0.0151186 315 0.010 0.010 0.010 270 1031 (m)(m)0.0050.005225 876 180 0.000 0.0000.000 135 566 -0.005-0.005-0.005410 - 90 -0.010-0.010-0.010-0.0050.0000.0050.0100.0000.005-0.0100.0050.010-0.010-0.010-0.0050.010-0.0050.000x(m)x(m)x(m)

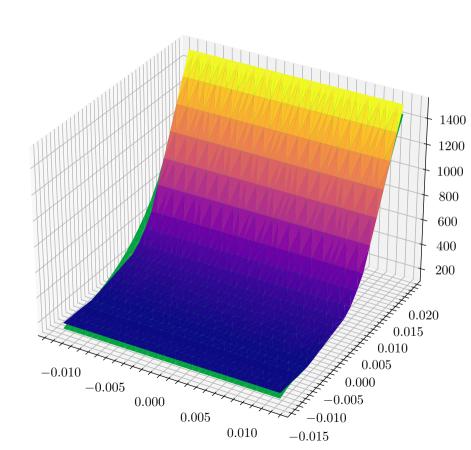


Layout: 2, chance: 6.561%, loss: 963685.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.0200.0201497 1341 0.0150.0150.0151186 0.010 0.010 0.010 1031





Layout: 3, chance: 6.561%, loss: 2768714.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.0200.0201497 112 1341 0.0150.0150.01596 1186 0.010 0.0100.010 80 1031 (m)(m)0.0050.005876 64 48 0.000 0.0000.000 566 32 -0.005-0.005-0.005410 16 -0.010-0.010-0.010-0.0050.0000.0050.0100.0000.0050.0050.010-0.010-0.010-0.0050.010-0.010-0.0050.000x (m) x(m)x(m)



Layout: 4, chance: 6.561%, loss: 3795987.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 162 0.0200.020 0.0201497 144 1341 0.0150.0150.015126 1186 0.010 0.0100.010 108 1031 90 (m)(m)0.0050.005876 72 0.000 0.0000.000 54 566 -0.005-0.005-0.00536 410 -0.010-0.010-0.010

-0.005

-0.010

0.000

x (m)

0.005

0.010

-0.010

0.000

x(m)

-0.005

0.005

0.010

0.005

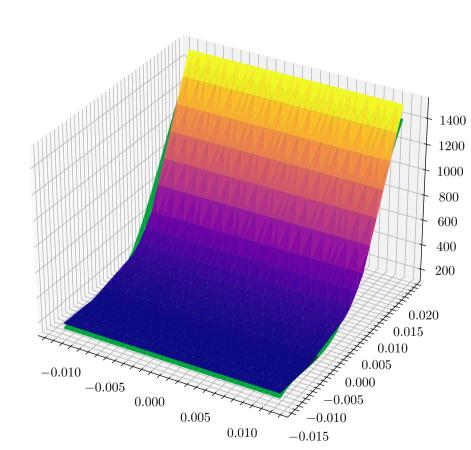
-0.010

-0.005

0.000

x(m)

0.010



Layout: 5, chance: 6.561%, loss: 2107389.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.0200.0201497 135 120 1341 0.0150.0150.0151186 105 0.010 0.0100.010 1031 90 (m)(m)0.0050.00575 876 60 0.000 0.0000.000 566 -0.005-0.005-0.005410 30 -0.010-0.010-0.010

-0.005

-0.010

0.000

x (m)

0.005

0.010

-0.005

-0.010

0.000

x(m)

0.005

0.010

-0.010

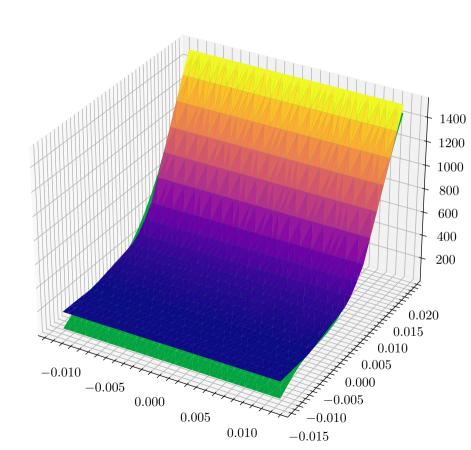
-0.005

0.000

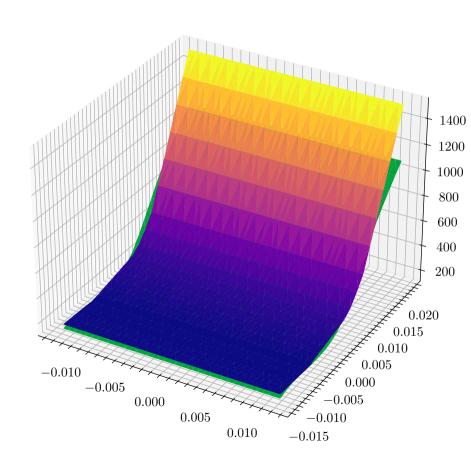
x(m)

0.005

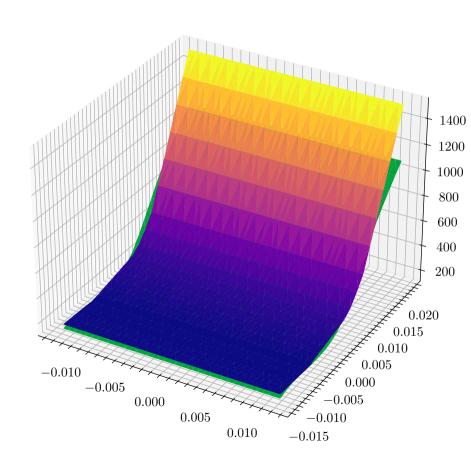
0.010

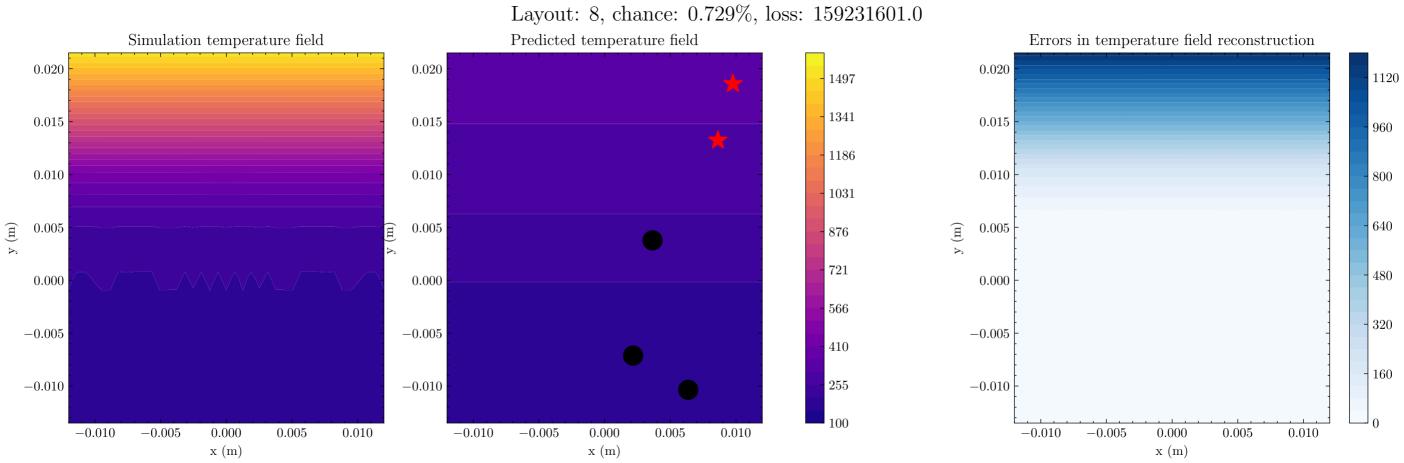


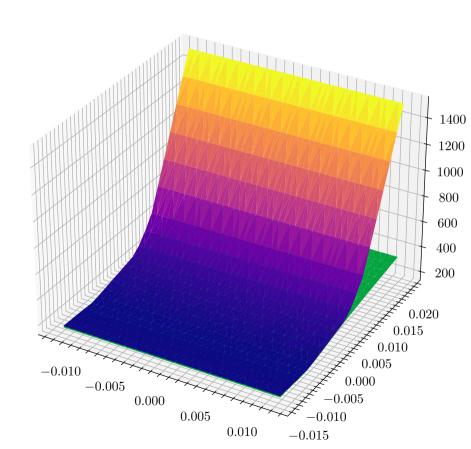
Layout: 6, chance: 0.729%, loss: 15274394.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.020 0.0201497 405 1341 360 0.0150.015 0.0151186 315 0.010 0.010 0.010 270 1031 (m)(m)0.0050.005225 876 180 0.000 0.0000.000 135 566 -0.005-0.005-0.005410 - 90 -0.010-0.010-0.010-0.0050.0000.0050.0100.0000.0050.0050.010-0.010-0.010-0.0050.010-0.010-0.0050.000x(m)x(m)x(m)



Layout: 7, chance: 0.729%, loss: 15274394.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.020 0.0201497 405 1341 360 0.0150.015 0.0151186 315 0.010 0.010 0.010 270 1031 (m)(m)0.0050.005225 876 180 0.000 0.0000.000 135 566 -0.005-0.005-0.005410 - 90 -0.010-0.010-0.010-0.0050.0000.0050.0100.0000.0050.0050.010-0.010-0.010-0.0050.010-0.010-0.0050.000x(m)x(m)x(m)







Layout: 9, chance: 0.729%, loss: 3732470.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 162 0.0200.020 0.0201497 144 1341 0.0150.0150.015126 1186 0.010 0.0100.010 108 1031 90 (m)(m)0.0050.005876 72 0.000 0.0000.000 54 566 -0.005-0.005-0.00536 410 -0.010-0.010-0.010

0.000

x(m)

-0.005

0.005

0.010

-0.010

-0.005

0.000

x(m)

0.005

0.010

-0.005

-0.010

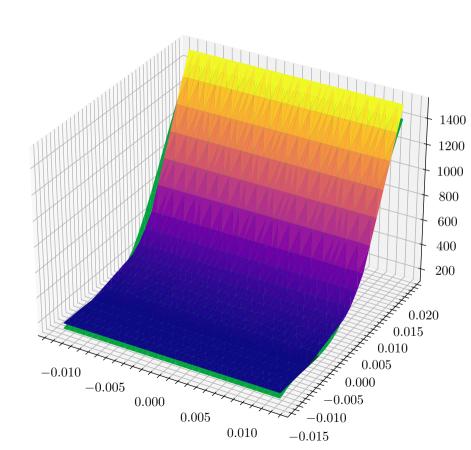
0.000

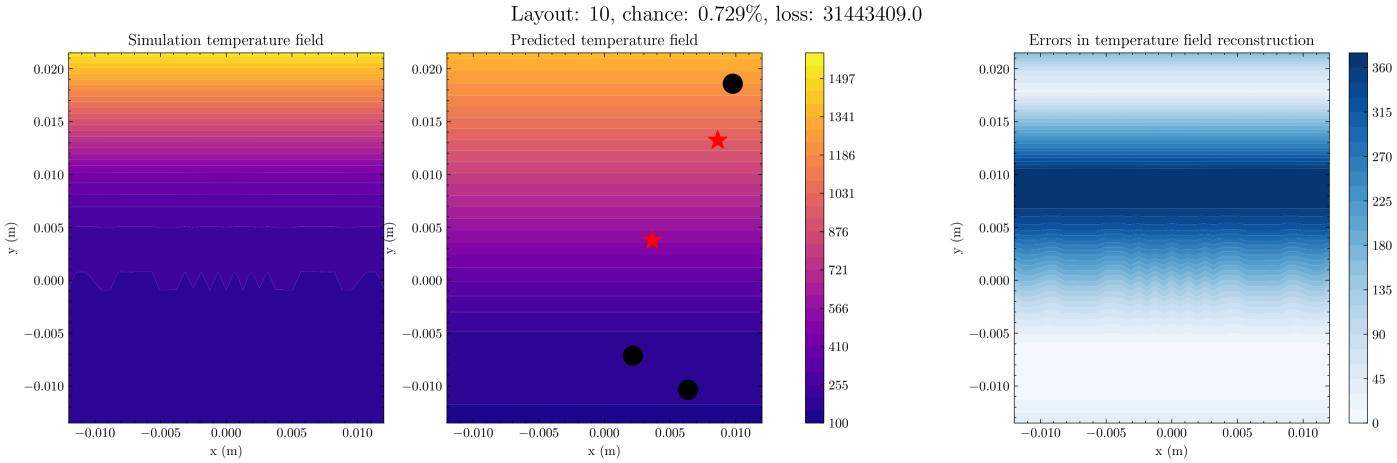
x (m)

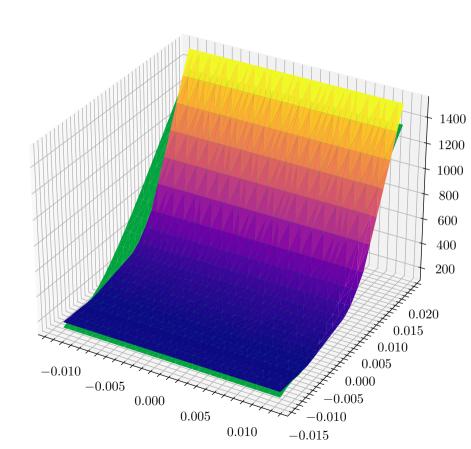
0.005

0.010

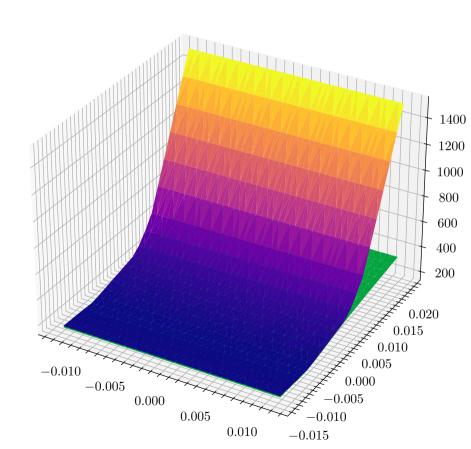
-0.010

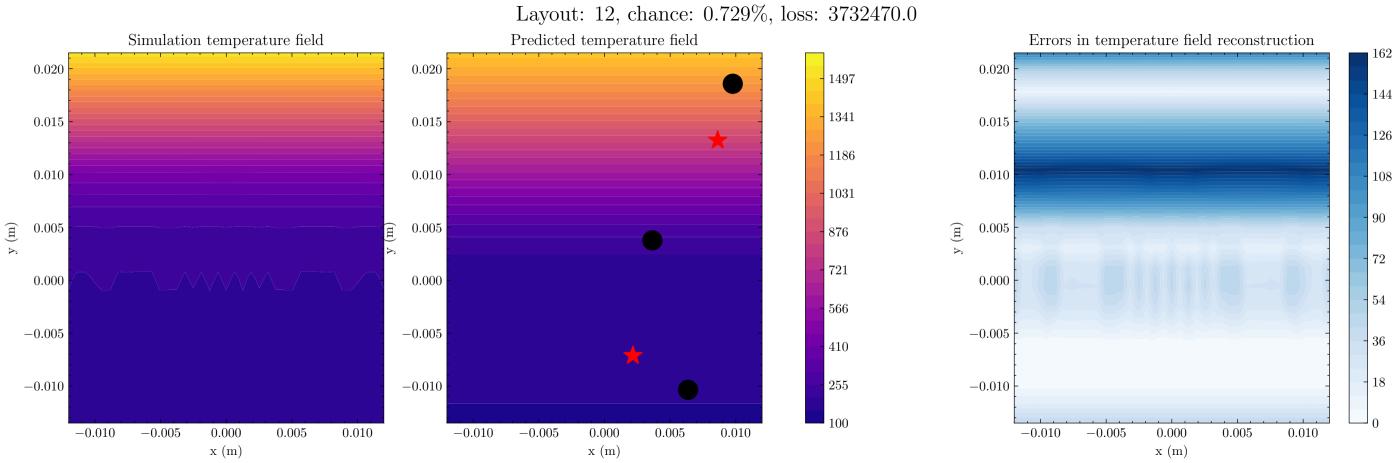


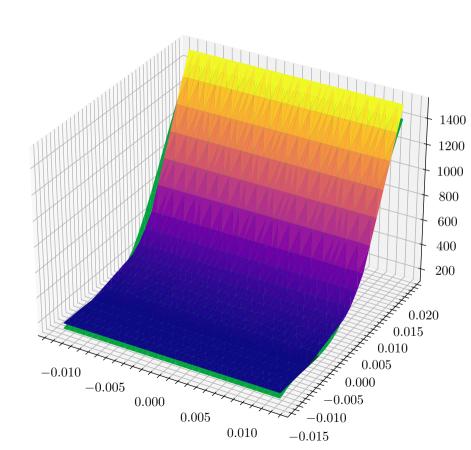


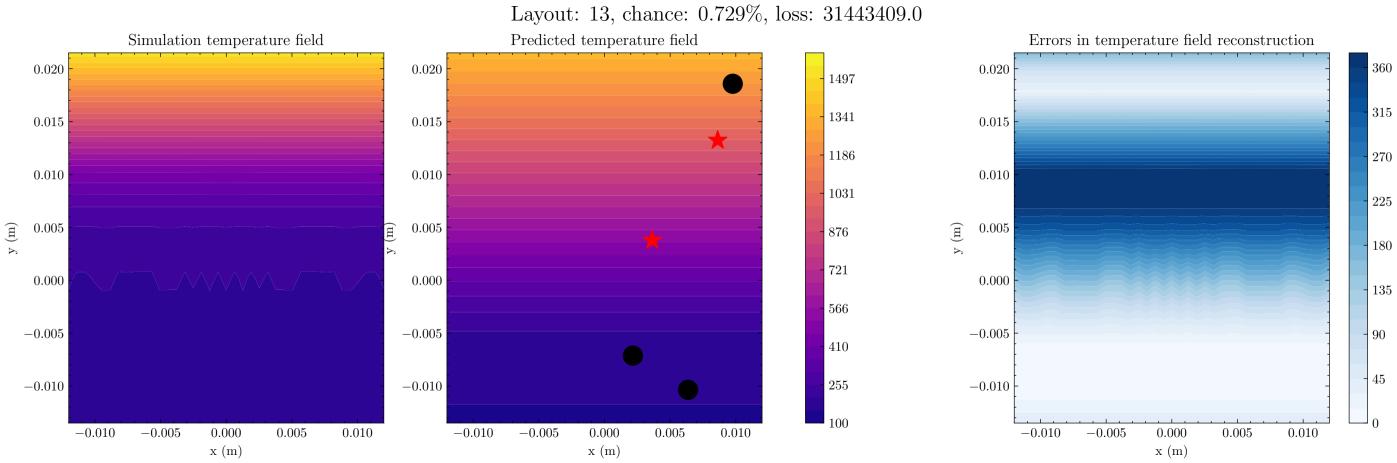


Layout: 11, chance: 0.729%, loss: 159231601.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.020 0.020 0.020 1120 1497 1341 0.0150.0150.015960 1186 0.010 0.010 0.010 800 1031 640 (m)(m)0.0050.005876 721 480 0.0000.0000.000566 320 -0.005-0.005-0.005410 160 -0.010-0.010255 -0.010-0.0050.0000.005-0.0050.0000.0050.010-0.0050.0000.0050.010-0.0100.010-0.010-0.010x(m)x(m)x(m)

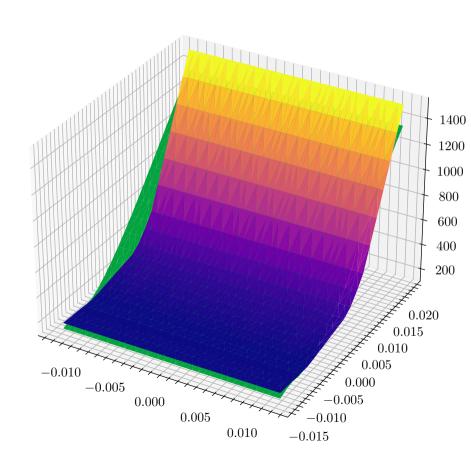


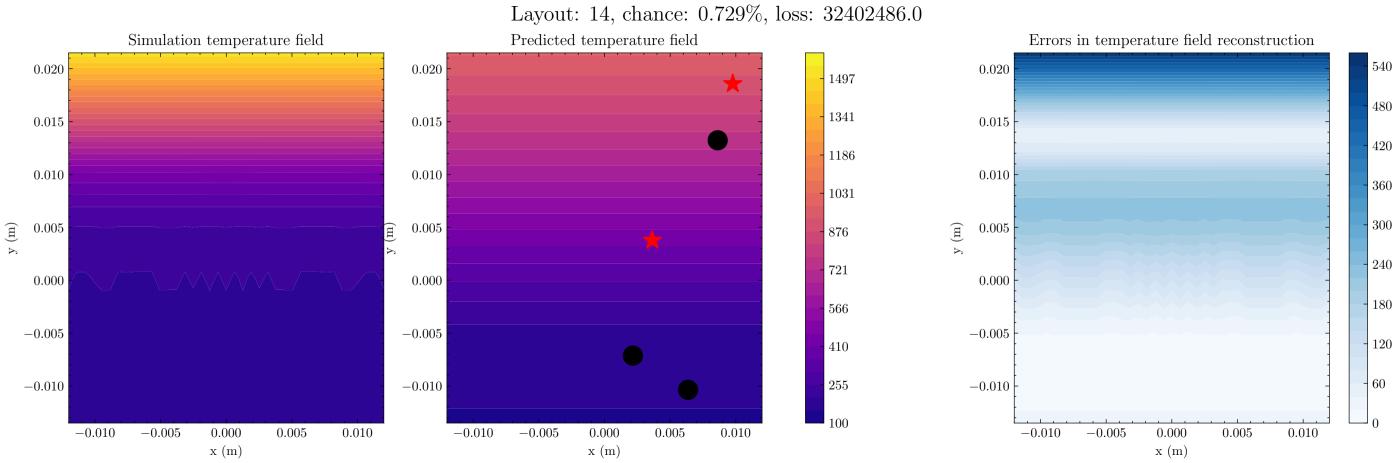


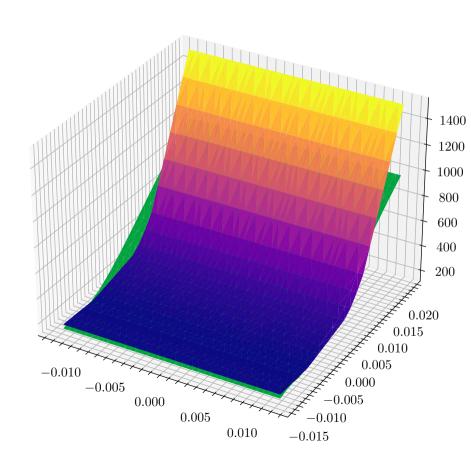


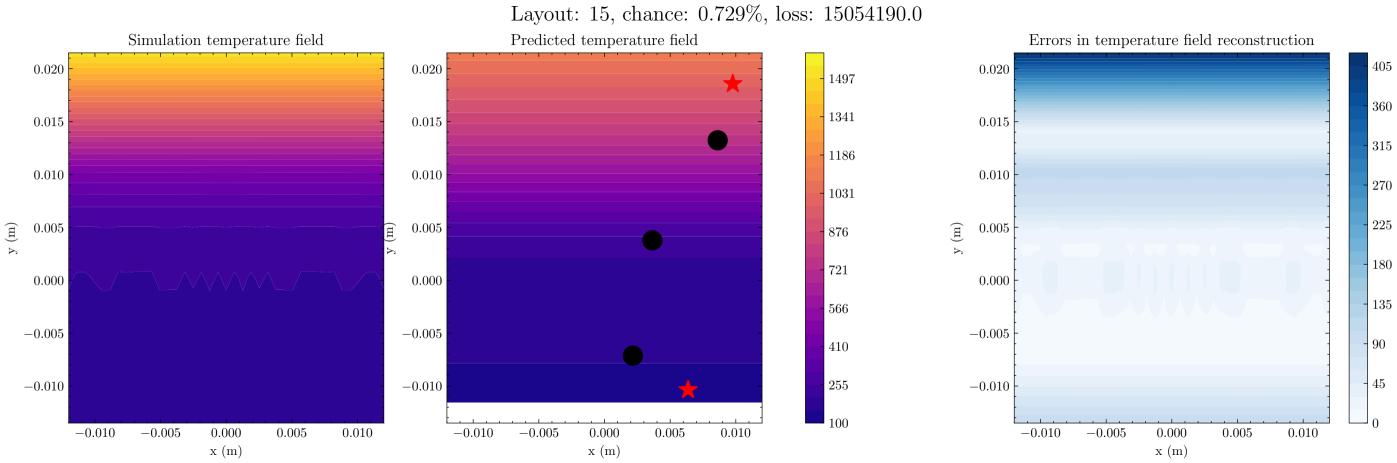


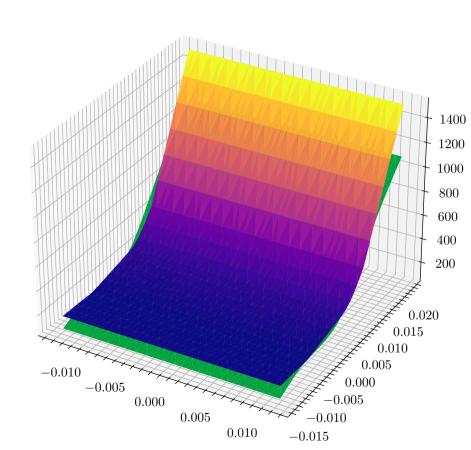
Model and simulation temperature fields





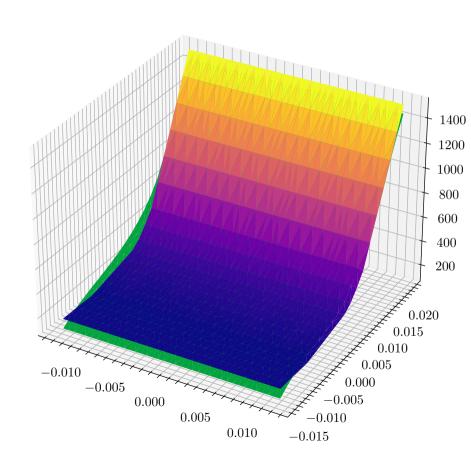






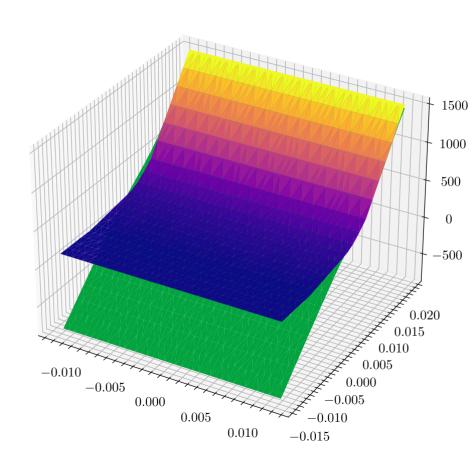
Layout: 16, chance: 0.729\%, loss: 6155390.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.0200.0201497 140 1341 0.0150.0150.015120 1186 0.010 0.0100.010 100 1031 (m)(m)0.0050.005876 80 0.000 0.0000.00060 566 40 -0.005-0.005-0.005410 20 -0.010-0.010-0.010-0.0050.0000.0050.010-0.0050.0000.0050.0100.0050.010-0.010-0.010-0.010-0.0050.000x(m)x(m)x(m)

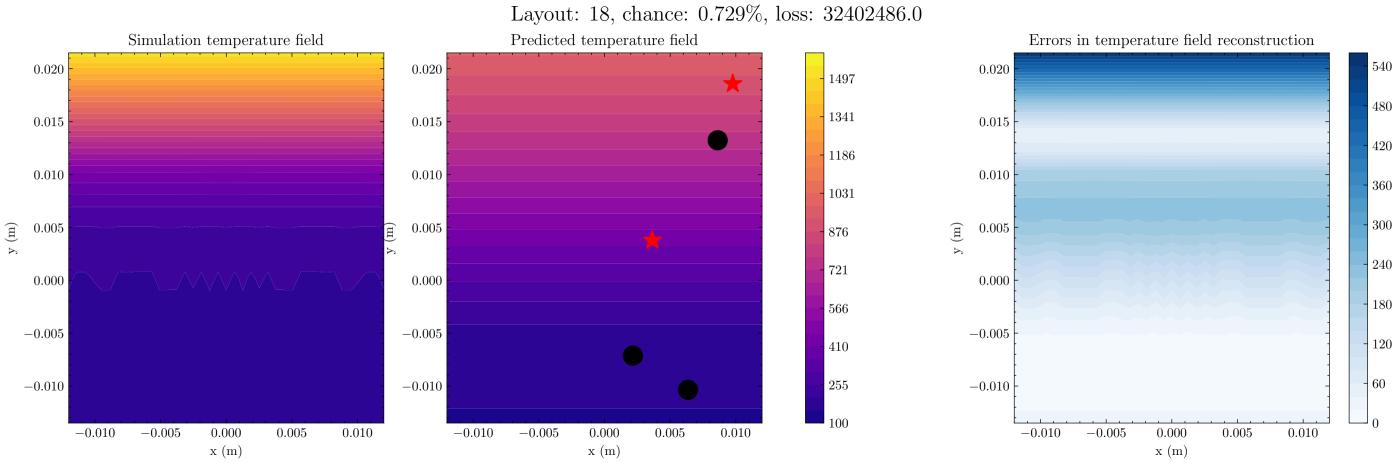
Model and simulation temperature fields

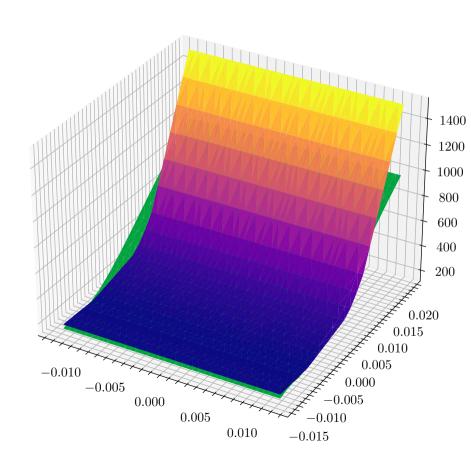


Layout: 17, chance: 0.729\%, loss: 133023891.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.020 0.0201497 960 1341 0.0150.0150.015840 1186 720 0.010 0.0100.010 1031 600 (m)(m)0.0050.005876 480 721 0.000 0.0000.000 360 566 -0.005-0.005-0.005240 410 120 -0.010-0.010-0.010-0.0050.0000.0050.010-0.0050.0000.0050.010-0.010-0.0050.0050.010-0.010-0.0100.000x (m) x(m)x(m)

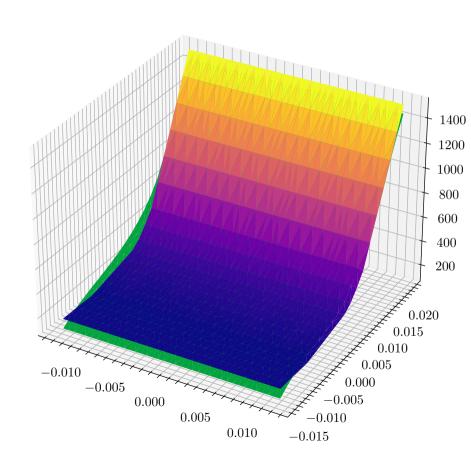
Model and simulation temperature fields

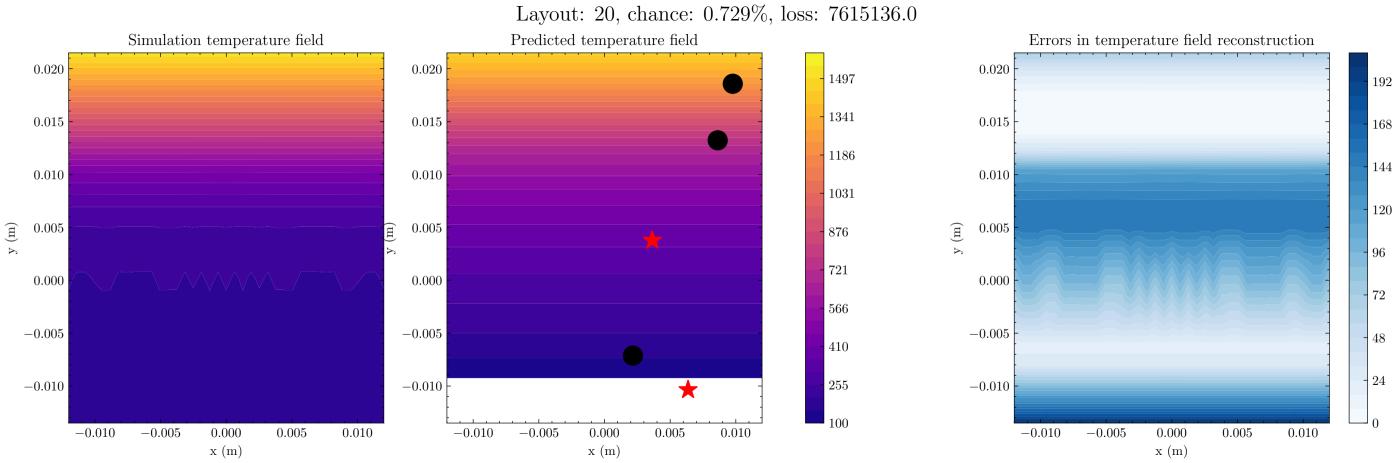


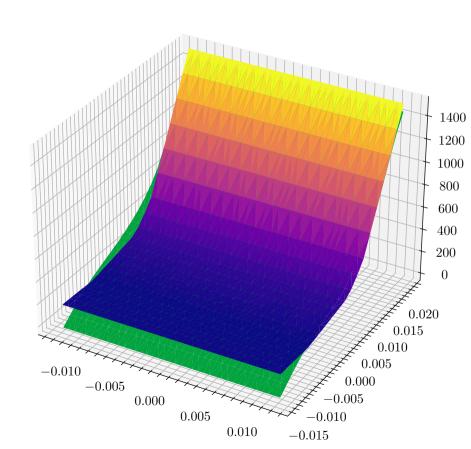


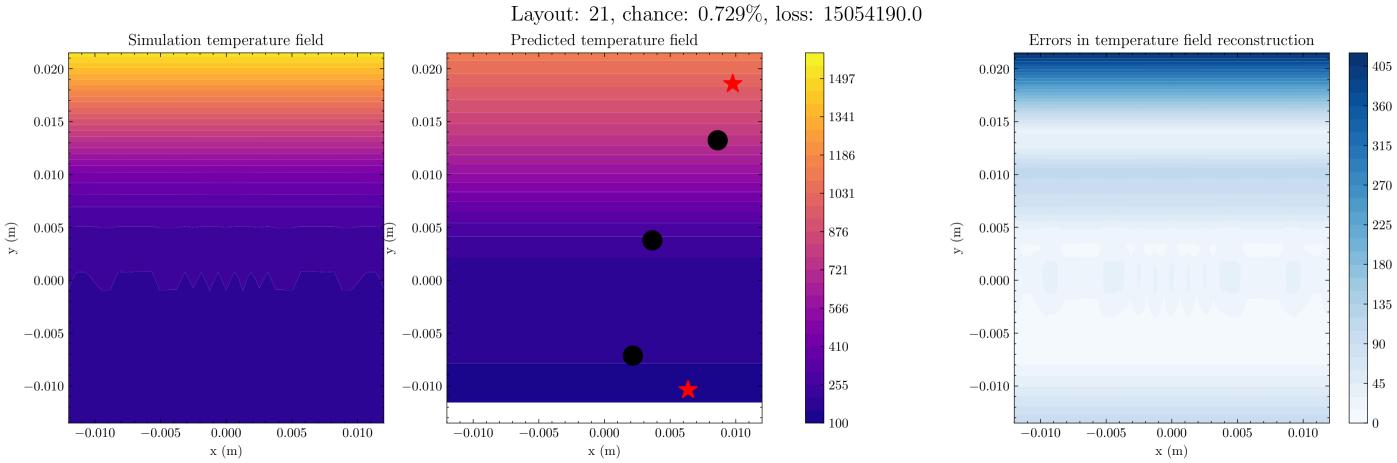


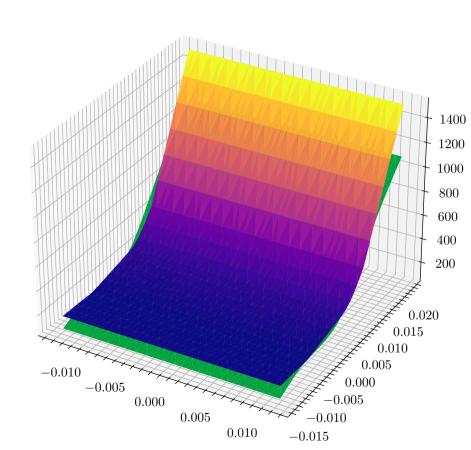
Layout: 19, chance: 0.729\%, loss: 6155390.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.0200.0201497 140 1341 0.0150.0150.015120 1186 0.010 0.0100.010 100 1031 (m)(m)0.0050.005876 80 0.000 0.0000.00060 566 40 -0.005-0.005-0.005410 20 -0.010-0.010-0.010-0.0050.0000.0050.010-0.0050.0000.0050.0100.0050.010-0.010-0.010-0.010-0.0050.000x(m)x(m)x(m)











Layout: 22, chance: 0.729%, loss: 133023891.0 Predicted temperature field Simulation temperature field Errors in temperature field reconstruction 0.0200.020 0.0201497 960 1341 0.0150.0150.015840 1186 720 0.010 0.0100.010 1031 600 (m)(m)0.0050.005876 480 721 0.000 0.0000.000 360 566 -0.005-0.005-0.005240 410 120 -0.010-0.010-0.010-0.0050.0000.0050.010-0.0050.0000.0050.010-0.010-0.0050.0050.010-0.010-0.0100.000x (m) x(m)x(m)

Model and simulation temperature fields

