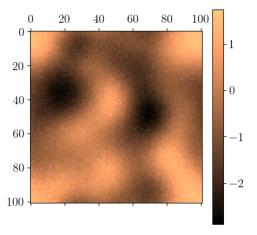
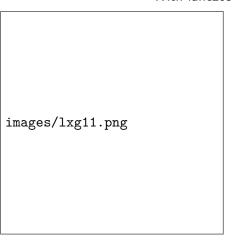
Full resolution, no preconditionning: background state



With lanczos algorithm:



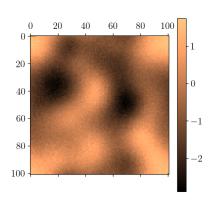


FIGURE – guess (outer iteration 1)

FIGURE – guess (outer iteration 2)

With lanczos algorithm:

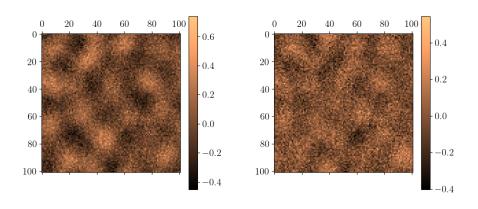
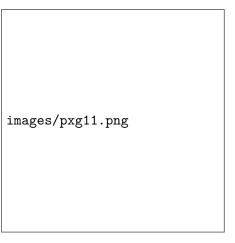


FIGURE – guess (outer iteration 3)

FIGURE – guess (outer iteration 4)

With PlanczosIF algorithm :



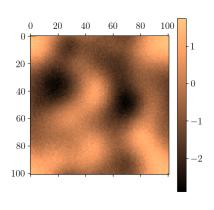


FIGURE – guess (outer iteration 1)

FIGURE – guess (outer iteration 2)

With PlanczosIF algorithm :

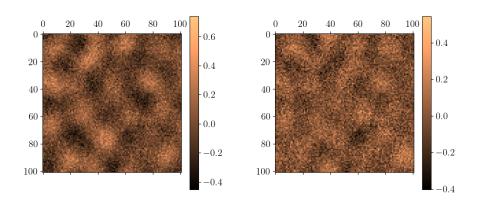
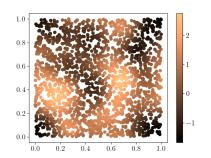


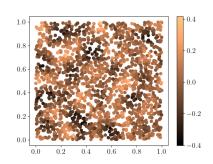
FIGURE – guess (outer iteration 3)

FIGURE – guess (outer iteration 4)

Full resolution, no preconditionning: innovations

This example is obtained in model space but the results are "equal" in control space :

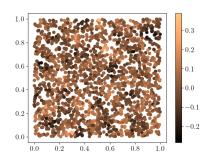


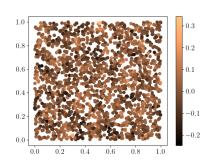


 $\label{eq:Figure} Figure - innovation \ (outer \ iteration \ 1) \quad Figure - innovation \ (outer \ iteration \ 2)$

Full resolution, no preconditionning: innovations

This example is obtained in model space but the results are "equal" in control space :





 $\label{eq:Figure} Figure - innovation \ (outer iteration \ 3) \quad Figure - innovation \ (outer iteration \ 4)$

