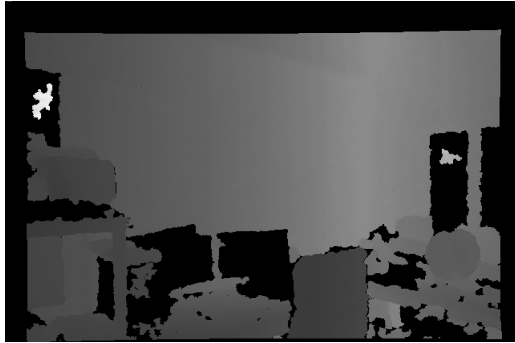


Error function optimization at level i

Source frame

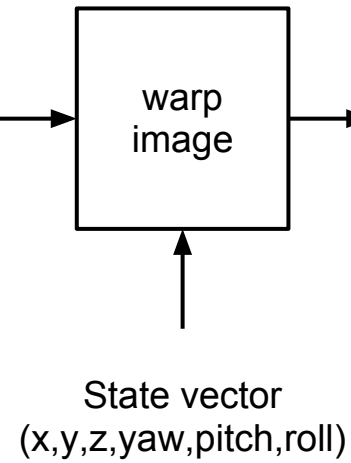
Source range
image pyramid



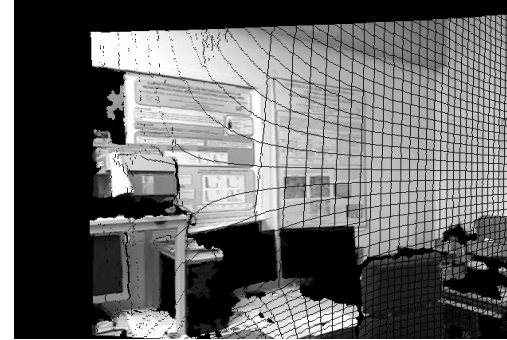
Source intensity
image pyramid



State vector refinement.
Start the optimization at
level i-1 using the
solution at level i as
initial state vector



Warped source intensity
image pyramid



Target intensity image
pyramid



Difference image
pyramid



Levenberg-Marquardt
loop (level i)

Levenberg-Marquardt
solution (level i)

Decrease optimization level to refine the
solution