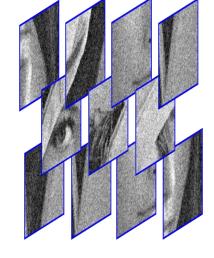
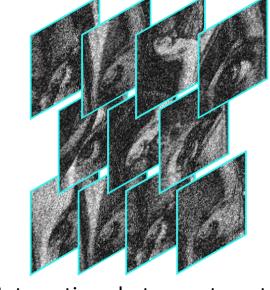


Choose a target patch and Noisy image create a search window

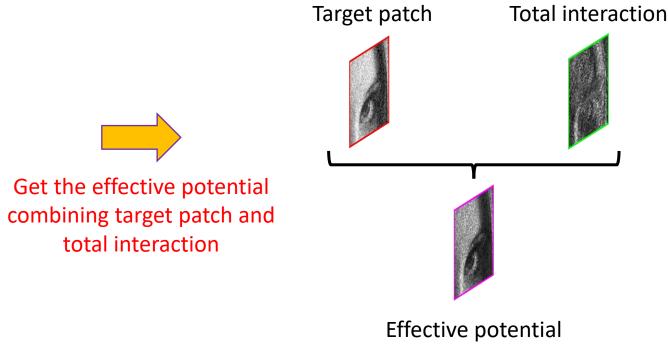


Neighboring patch group Target patch



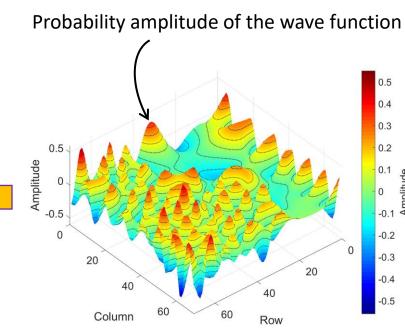
Interactions between target and neighboring patches

Energy

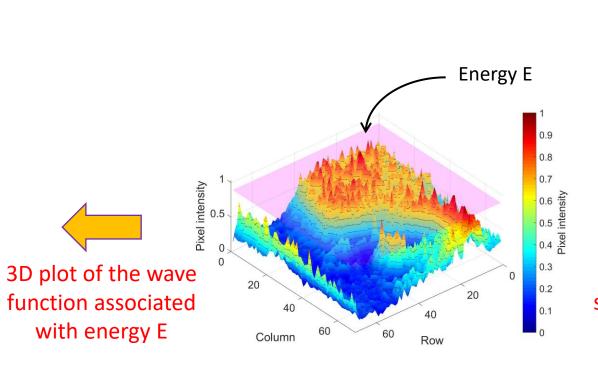


Contour plot of the wave function

The probability amplitude of the wave function gives the probability of the presence of the quantum particle under the potential V



Wave function with energy E

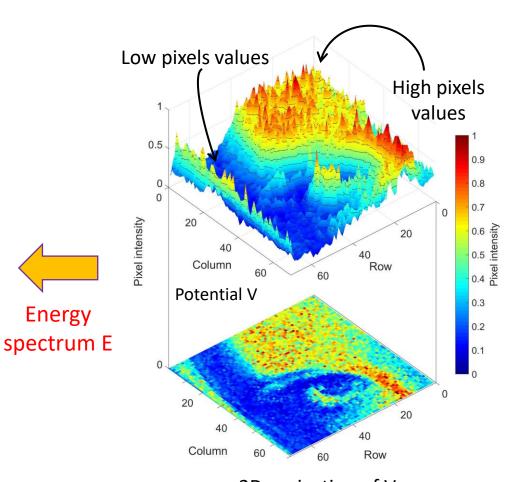


Potential V

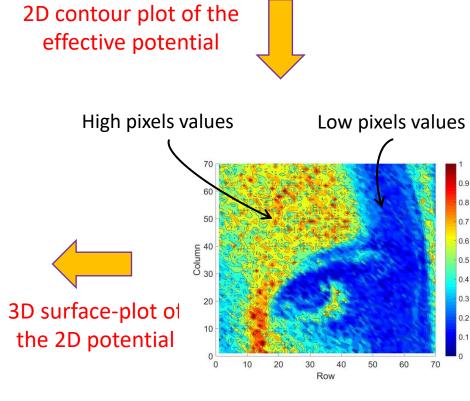
Calculate interactions

between target and

neighboring patches



2D projection of V



Graphical heat-map representation of the effective potential