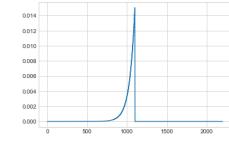
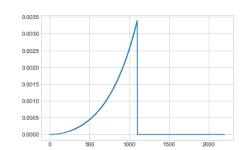


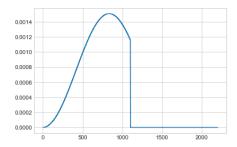
V = 40



V = 41energy of interface state approaches the bulk band edge,



V = 41.5interface state broadening reaches x=0.



V = 41.7interface state hybridizes with bulk state, and forms a maximum that gradually moves away from the interface.

interface state well-localised to left of the impurity potential.

and interface state broadens.