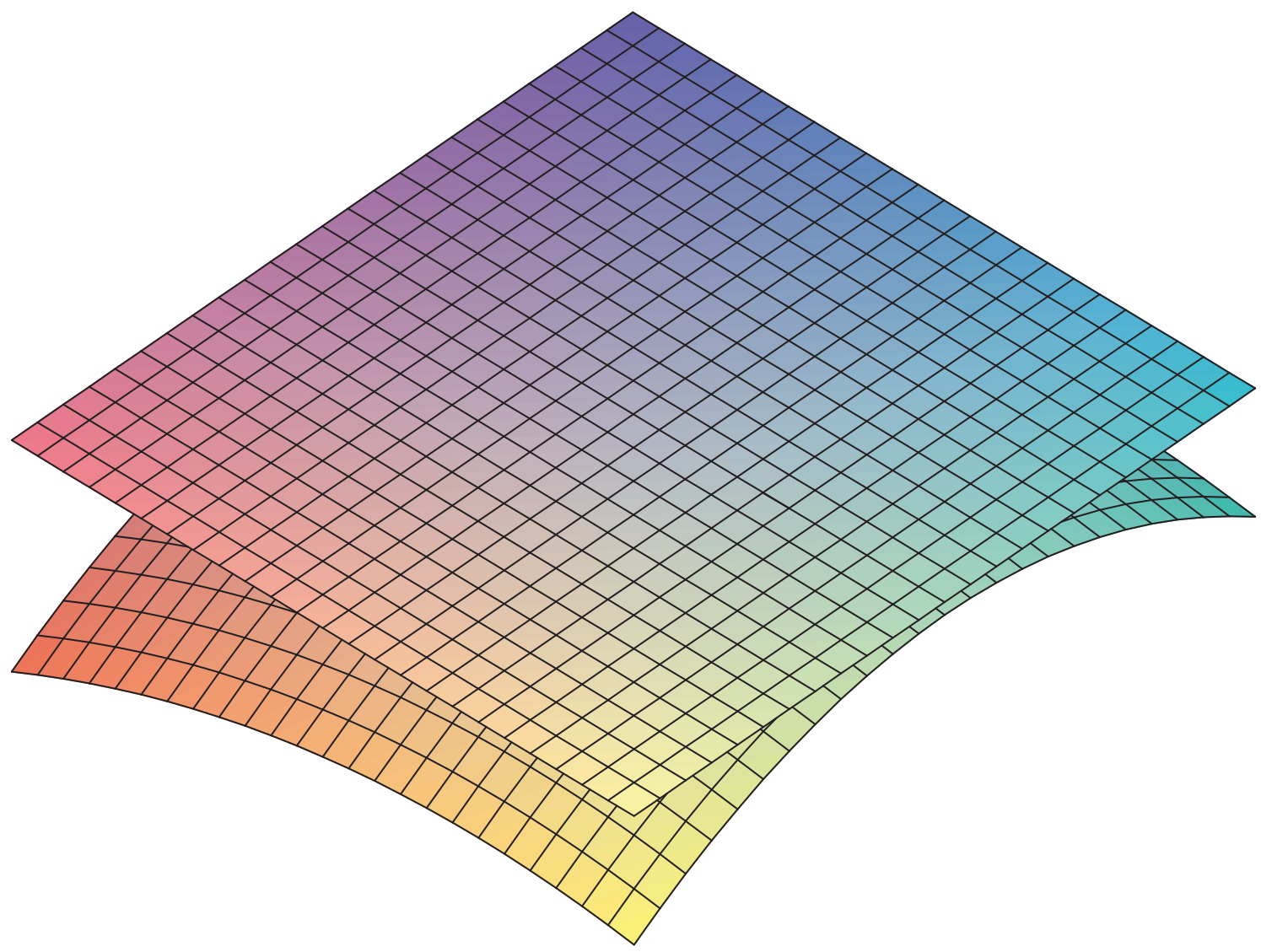
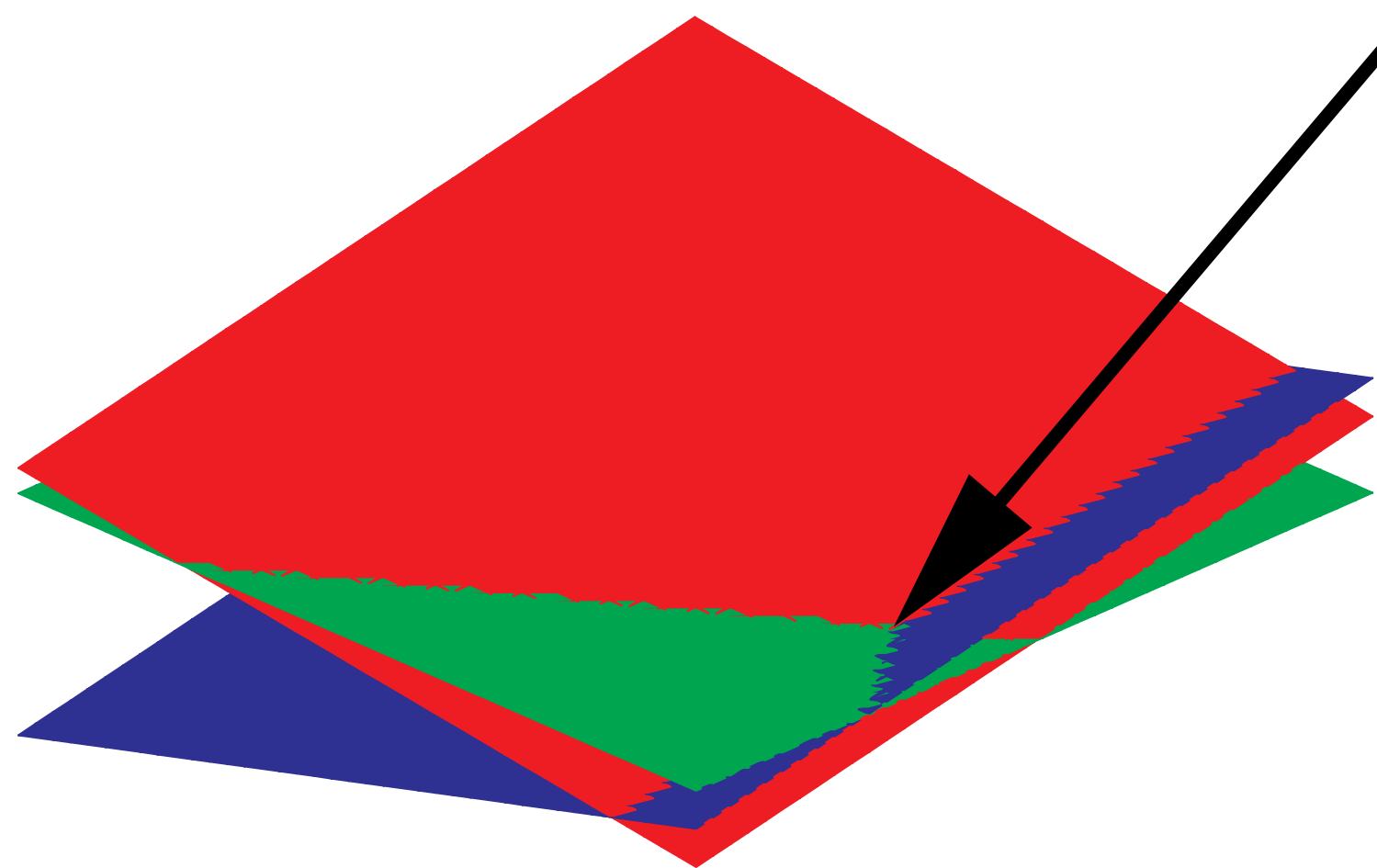
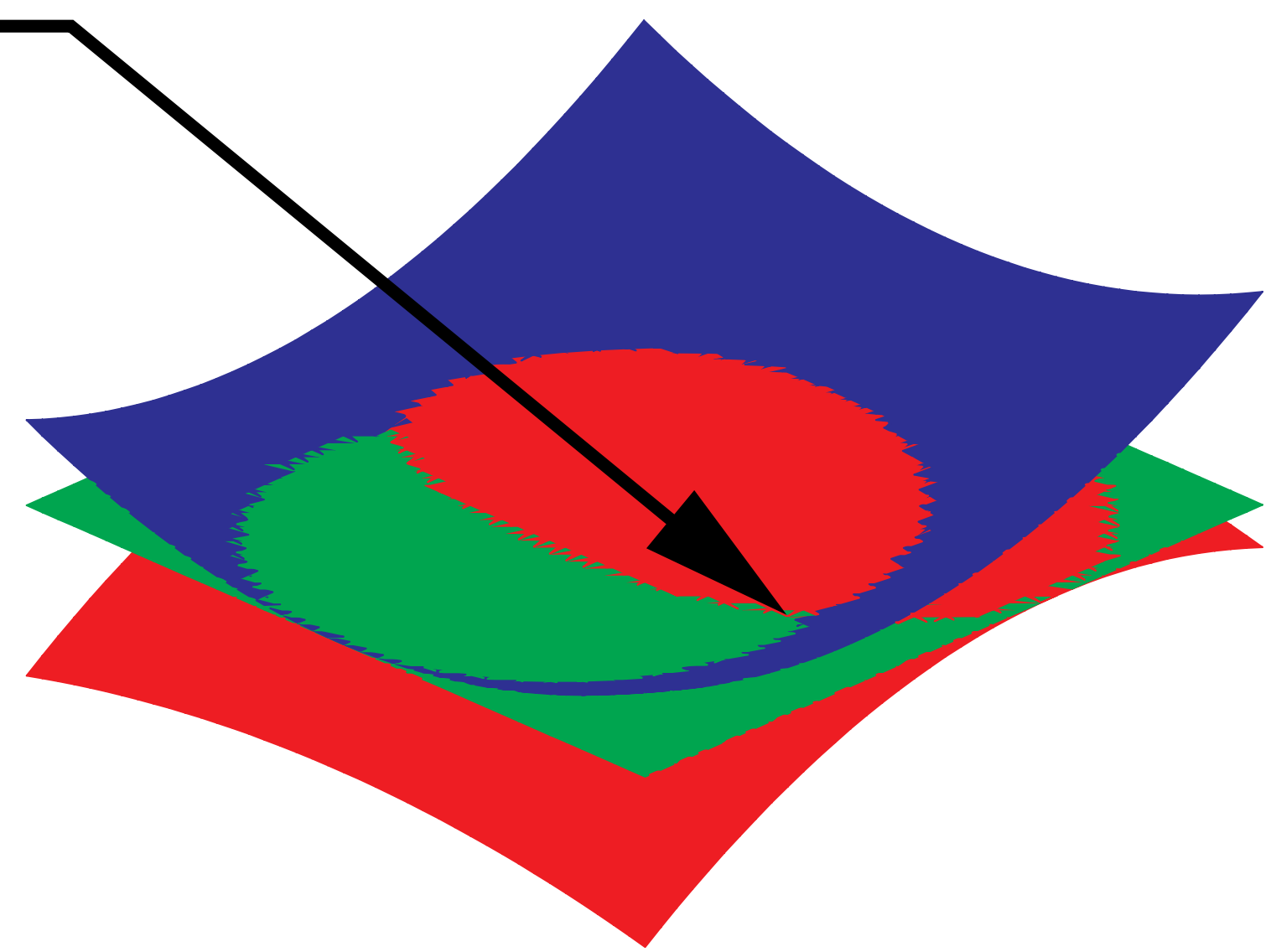


Geometrical interpretation of Newton's method in 2 dimensions



A surface can be approximated in a neighbourhood of a point by the plane tangent to the surface at that point.

The intersection of the two surfaces with the xy -plane can be approximated by



the intersection of the planes tangent to the surfaces with the xy -plane.