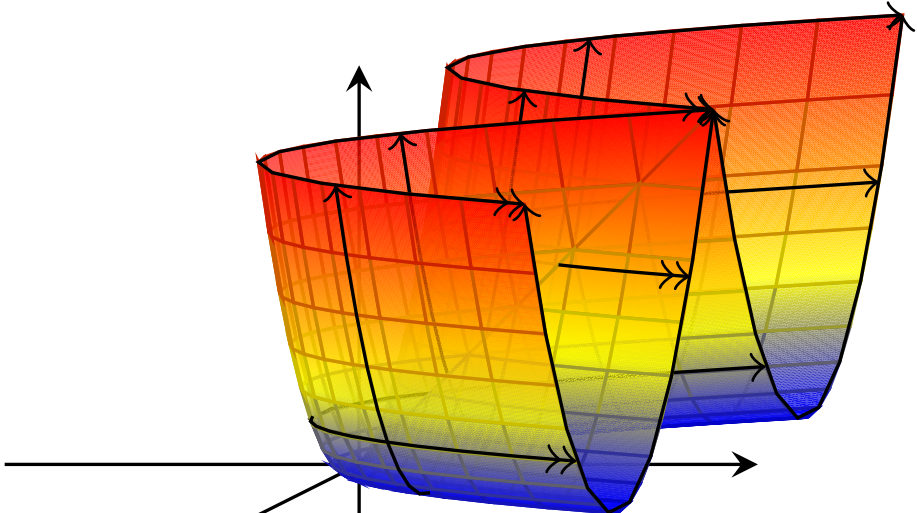

$$r(u,v) = (u+v, u^2, v^2)$$