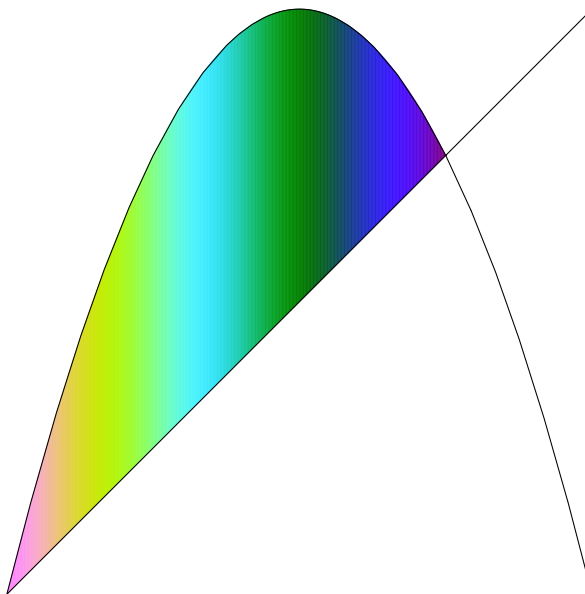


1) Find the area of the region enclosed by the curves $y = x - x^3$ and $y = x/4$.



2) What is $\int \int_R x^2 + y \, dx dy$ where R is the region enclosed by the curves $y = x^{1/4}$ and $y = x^2$. Write down the integral as a type I as well as a type II integral.

