F2_RT2

The following five functions have been plotted accurately on the chart below

$y = \sqrt{x}$ $y = x^2$ $y = x$ $y = (x^2 + x)/2$ $y = 2\sqrt{x} - x$

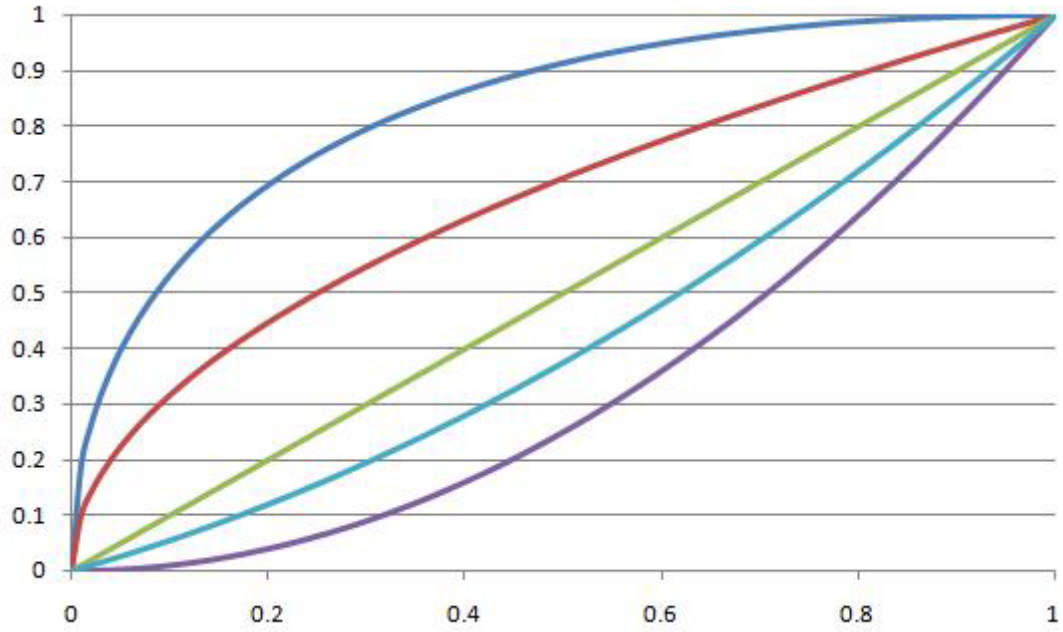

Figure F2_RT2.1: Curves

Which is the x-axis and which is the y-axis? Which curves correspond to which functions?

Imagine that you wish to plot a route between $(0, 0)$ and $(1, 1)$. Can you find a function that does this without intersecting any of the existing curves, except at the endpoints?

What other curves can you plot which intersect the existing curves only at the end points?

Relevance

F2 How can we represent a function by a graph, and how are key properties of a function visible on a graph?

