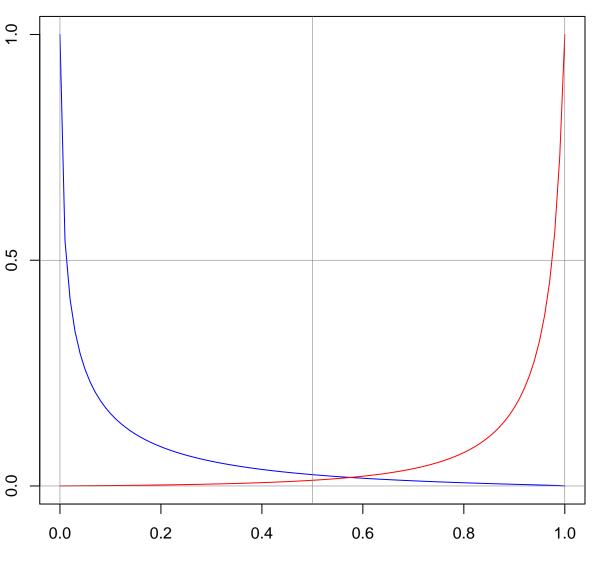
Integrand by inverse CDF (quantile function) by Beta inverse (blue) and Gamma inverse (red)



Area under the integrands is p = 0.063