

160. You are given a random sample of observations:

0.1 0.2 0.5 0.7 1.3

You test the hypothesis that the probability density function is:

$$f(x) = \frac{4}{(1+x)^5}, \quad x > 0$$

Calculate the Kolmogorov-Smirnov test statistic.

- (A) Less than 0.05
- (B) At least 0.05, but less than 0.15
- (C) At least 0.15, but less than 0.25
- (D) At least 0.25, but less than 0.35
- (E) At least 0.35