

Let A = (a, b) and $An = [a+\frac{1}{n}, b-\frac{1}{n}]$, which $An+1 \ge An$ Since Any 2 An, UnAn=A, gives PAn] JA $P(An) = b - \frac{1}{n} - (a + \frac{1}{n}) = (b - a) - \frac{1}{n}$ Foy continuity of probability. P(A) = Lim P(An) = b-a. OP(gai). Let $A = \{a\}$, $An = [a - \frac{1}{n}, a + \frac{1}{n}]$, which $Another \geq An$ $P(a) = \lim_{n \to \infty} P(\overline{a} - \overline{n}, a + \overline{n}) = \lim_{n \to \infty} (\overline{n}) = 0.$