

工口/x+11...>2 I

5/29/09 10 補足 (7/25版)

f(w, z) = 1 z"ある=この黒板に書"てとある。

{ X = W - z 0 < X < 1 211
z = y 0 < y < 1

0 < z < 1 ,

0 < w - z < 1 . 211 211 z a 範囲内

0 < z < w if 0 < w < 1

w - 1 < z < 1 if 1 <= w < 2 .

11211

h(w) = { integral_0^w f(w, z) dz = integral_0^w 1 dz = w
if 0 < w < 1

integral_{w-1}^1 f(w, z) dz = integral_{w-1}^1 1 dz = 2 - w
if 1 <= w < 2

0 otherwise

2+22

integral_0^2 h(w) dw = integral_0^1 w dw + integral_1^2 (2 - w) dw

= 1/2 + 1/2 = 1