
Subject: : Paflyfish General Forum

Topic: : Mathematical probability of locating a dropped fly

Re: Mathematical probability of locating a dropped fly

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URL:

If you want to be accurate.

P = probability of finding it.

C = color contrast of fly with surroundings (higher means more contrast)

R = Roughness of ground (tall vs. short grass, scattered leaves, etc.; higher means rougher)

A = area (as in how big is the area where you know the fly resides; higher means larger area)

Y = "youthfulness" of your eyes. Just like following a tiny dry fly in a bubble line, some eyes pick out small details better, and this degrades as you age. Higher means your better at seeing small details, lower means "older".

D = determination. How much does finding it matter to you? Whether the fish are rising, and sentimental value are included here. Higher means more determined.

See what I did there? :)

But to put that into an equation, the trends are right with the below equation. There need to be coefficients, but it would take some experimentation to determine them.

$$P = (C*Y*D)/(R*A)$$