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Subject: Re: combinations of pid algorithms

Posted by [StefanoSpataro](#) on Wed, 16 May 2012 13:57:40 GMT

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I understand the sentence can be misleading.

The algorithm multiply PDFs (probability density functions), but the final probability is the pdf divided by the sum of all the pdf.  $\rightarrow \text{pdf}(e) / (\text{pdf}(e) + \text{pdf}(\mu) + \text{pdf}(\pi) + \text{pdf}(k) + \text{pdf}(p))$ .

If the denominator goes down, the probability can increase.

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