

# A (slightly more) complicated integral

**Source:** <http://sci.tech-archive.net/Archive/sci.math/2004-06/3978.html>

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Ok, so the previous integral ended up being a piece of cake, however this one cannot be done in the same way (and it ends up that this one is the one I really want, isn't it always the same?)

It looks like this:

$\text{Int}[\text{Int}[E^{(a \cos[x] + b \cos[y] + k \cos[x - y])} \{y, -\pi, \pi\}], \{x, -\pi, \pi\}]$

Any suggestions anyone?

Many many thanks in advance

Enrique