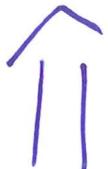


Theorems 4.5.4 and 4.5.5 Ingredients which enter it.

The theorem follows
from Abelsummability
of functions in $L^1(\Pi)$
(theorem 4.5.1)



To prove 4.5.1, one
needs properties of
Poisson kernel (4.4.1)



Poisson kernel / serves
to write an Abel sum
in a compact way via
a convolution

$$f * P_\alpha(t) = \sum z^{n_1} \hat{f}(n) e^{int}$$



Abel summation for us
is a concept that serves
two purposes:
1) "make sense
out of a series that does not
converge in the regular sense",
2) a technique to prove 4.5.4./4.5.5.