(1). the Roy point is to show the convergent of the Series. They are indeed uniformly convergent . the 1st one Lollows from form (CN (1+1m))-N YN. · the Legond one follows from P(m) < CN (1+1m1)-N +N. F(x) = Z f(m) = 22ix.m

While she fourier transfor of Fr on In is Jon forther - Zhum. FERN Jon Plank) Prink Jiph fix) e-zavmxdx (2) the 18th assert is indeed the respondement of absorbate contin of internation (at a) While the 2nd one follows from she 1st one the integration one order of Summed and

(3). As can be done in the same vein in 11) where the condit that snarantees the exchange of order of Immedian and integrate is replaced by the almost sharp deen continion. (5) If you do shis, you can find some properties of Jacobi . O-function, which Plays a rok in the proof of and meromorphic (4) extention of Riemann zeta-function, See, thm 2.17, Chapter VII, in Stein- Weiss Introduction to Fourier Analysis on Enclidean spaces.