CORRECTION:
ON ORDER OF SUM OF THE SERIES OF ULTRASPHERICAL FUNCTIONS

D. P. GUPTA

In the proof of the lemma we have to take the following order in place of (2.7), (Cf. E. Kogbetliantz; Bulletin de Société Mathématique de France, 51 (1923) 244-295)

$$P_n^{(\lambda)} (\cos \theta)$$
$$= O[(\sin \theta)^{-(\lambda-1/2)} \{ n^{\lambda-1} \sin \omega_n (\sin \theta)^{-1/2} + (\sin \theta)^{-3/2} n^{\lambda-2} \}].$$

Break now the integral J_2 into

$$\int_{1/n}^{n^{-1/2}} + \int_{n^{-1/2}}^{\beta}$$

The second part follows as before and the first part is $o(n^{k+\lambda-1})$ by the property of the Lebesgue integral.