南 亞 技 術 學 院 機 械 系

專 題 演 講

演講人: Professor H.M. Srivastava
(Dept. of Math & Stat., Univ. of Victoria, Canada)

講 題: Some spherical Bessel function results related to quantum mechanical scattering theory.

時 間: 6 月 1 日(星期四) 下午 1 時 10 分

地 點: 機械館三樓視聽教室(J301)

Abstract. For the square of a spherical Bessel function, we present a derivative formula in terms of the spherical Bessel function of twice the argument. We then show how this derivative formula is applied in an inversion problem for the partial-wave Born approximation in quantum mechanical scattering theory. We also consider some other closely-related results and derivative formulas.

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