



The Hong Kong University of Science & Technology

Department of Mathematics

PhD Student Seminar

Fractional derivatives with figure eight contours

by

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Abstract

We will introduce an alternative definition of complex fractional derivatives in terms of "figure eight contour". This definition has some advantages when applied to special functions. Based on "figure eight contour", we will prove a generalization of Leibniz rule first derived by T. J. Osler in the 1970s.

Date: Tuesday, 6 August 2019

Time: 2:30 p.m. - 3:30 p.m.

**Venue: Room 5504, Academic Building,
(near Lifts 25-26), HKUST**

All are welcome!