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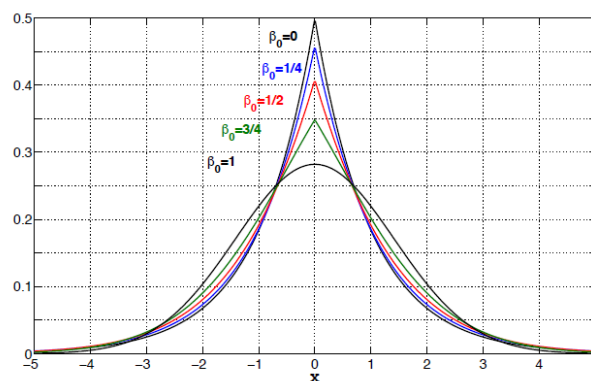https://cnronline.webex.com/cnronline/j.php?MTID=mee9ed5ac4049a6b7b8adf0cf915468df

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Fractional calculus: an introduction and its application in radiative transfer model

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In this talk I will introduce fractional differential operators, showing that these operators naturally emerge in the framework of Continuous-Time Random Walk models. Then, I will briefly recall the main properties of fractional Caputo derivatives and some relevant results about time-fractional diffusive equations. Finally I will show some recent applications of fractional calculus in radiative transfer models.