

A Bailey type factorization of Horn's H4 hypergeometric function

02.12**Carlo Verschoor***(University of Utrecht, Netherlands)***Time:** Tuesday 23.07., 12:00 - 12:30, Room AM

Abstract: A well known identity by Bailey states that Appell's F4 function can be written as the product of two Gauss hypergeometric functions under a suitable specialization of the parameters. Other identities of this type are known for Appell's F2 and F3, which are closely related to Bailey's identity. The aim of this talk is to show that the same can be done for Horn's H4 function.