

Errata and additions for the book *Multivariable special functions*,
T. H. Koornwinder and J. V. Stokman (eds.)

collected by Tom Koornwinder, thkmath@xs4all.nl

last modified: June 13, 2023

These are errata and comments on the book

T. H. Koornwinder and J. V. Stokman (eds.), *Encyclopedia of special functions: The Askey-Bateman project, Vol. II: Multivariable special functions*, Cambridge University Press, 2021 (published October 2020), ISBN 9781107003736.

p.47, Further Results and References, 1.2:

The sentence starting with ‘Next’ should read:

“Next Dunkl (1989) defined his Dunkl operators.”

p.130, second line of (5.2.18): The denominator factor $(ax_i q^{1+|N|}; q)_{|k|}$ should be replaced by $(ax_i q^{1+N_i}; q)_{|k|}$.

p.148, second line after (5.4.4b):

The numerator of the fraction at the end of the line should read $c_\lambda(q, t)$.

p.181, second paragraph, 1.3: Omit “combined with (6.4.21)”.

p.254, lines 11, 12 and References:

Replace on l.11 “the results of Deligne and Mostow (1986)” by
“the results of Deligne and Mostow (1986) and Mostow (1986)”.

Insert on l.12 before “In the toric root system setting” the sentence

“A readable overview of the theory of Deligne en Mostow was given by Looijenga (2007).”

In the list of references insert:

Looijenga, E. 2007. Uniformization by Lauricella functions – An overview of the theory of Deligne–Mostow, *Progress in Mathematics*, **260**, pp. 207–244, Birkhäuser.

Mostow, G. D. 1986. Generalized Picard lattices arising from half-integral conditions, *Publ. Math. Inst. Hautes Études Sci.*, **63**, 91–106.

p.254, reference Bochner S. 1952: Insert at end of reference: “Tome Supplémentaire”.

p.312, reference Macdonald, I.G. 1996: Insert after *Astérisque*: “No. 237”.

pp. 358–361, sections 10.9.3 and 10.10: See an update of these sections:
<https://staff.fnwi.uva.nl/t.h.koornwinder/art/2021/Ch10additions.pdf>

p.399, reference Maulik, D. and Okounkov, A. 2019: Replace **408** by “No. 408”.

p.400, reference Tarasov, V., and Varchenko, A. 1997b: Replace **246** by “No. 246”.