

English remarks regarding Gamma and beta functions

You will notice that the material for Lecture 5 is available under “Notes” on SUNLearn only in Afrikaans as “Gamma- en beta-funksies”. However, due to our time constraints we will only cover a very small part of these notes in the module. All of this is available in English on SUNLearn under “Transparencies”, in the document L5. In addition to this document, you will only be referred to the Afrikaans notes “Gamma- en beta-funksies” for some of the Examples (Afrikaans: Voorbeelde) and Problems (Afrikaans: Probleme) (where the few Afrikaans words in between would not be a problem).

On p.B14 the English wording of Problem 1 is “Show that $\int_0^\infty e^{-x^2} dx$ is convergent. Do not compute its value.” and the English wording of Problem 3 is “Compute the following improper integrals using Γ and β functions, and by using the correct substitutions where necessary.” On p.B15 the Answers (Afrikaans: Antwoorde) for the problems on p.B14 are given.