

# Mehler–Heine asymptotics for the Meijer $G$ –function

CRISTINA RODRÍGUEZ–PERALES, JUAN F. MAÑAS–MAÑAS, JUAN J.  
MORENO–BALCÁZAR

Departamento de Matemáticas, Universidad de Almería, Spain

crp170@ual.es

**Abstract:** Mehler–Heine asymptotics is characterized by establishing a limit relation between some scaled polynomials and Bessel functions of the first kind (see [3]). In this work we tackle the study of this local asymptotics for some cases of the Meijer  $G$ -function (see [2]). We also achieve some consequences about the asymptotic behaviour of the zeros of this function using the well-known Hurwitz’s theorem (see [1]).

## References

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**Acknowledgments:** This work has been supported by PPIT-UAL, Junta de Andalucía- ESF. Programme: 54.A. Aplication: 741. The work of JFMM and JJMB is supported by the project PID2021-124472NBI00 funded by MCIN/AEI/10.13039/501100011033 and by “ERDF A way of making Europe”. In addition, the authors are partially supported by the Research Group FQM-0229 and by the research centre CDTIME of Universidad de Almería.