



Research-Group Linkage 2009-2012:
University of Yaounde I & University of Kassel
Training Workshop on Computer Algebra

U N I K A S S E L
V E R S I T Ä T

**Computer Algebra Algorithms
for Orthogonal Polynomials and Special Functions**

By

**Prof. Dr. Wolfram Koepf
University of Kassel, Germany**

and

**Prof. Dr. Mama Foupouagnigni,
University of Yaounde I**

When: Tuesday and Wednesday March 23-24, 2010

Venue: ICT Center, University of Yaounde I

This training is aimed at giving an introduction to the use of Maple for teaching and research purposes. It is a combination of lectures and practical sessions.

Programme : Day 1: 23/03/2010

Programme : Day 2: 24/03/2010

- **08-10h: Introduction and Online Demonstrations with Computer Algebra**
- **10h-10h15: Coffee break at the ICT Center**
- **10h15-12h30: Computation of Power Series**
- **12h30-13h30: Lunch break at the ICT Center**
- **13h30-15h: Hypergeometric Functions**
- **15h-15h15: Coffee break at the ICT Center**
- **15h15-17h: Summation Algorithms I**

- **08-10h: Summation Algorithms II**
- **10h-10h15: Coffee break at the ICT Center**
- **10h15-12h30: Hypergeometric Solutions of Recurrence Equations**
- **12h30-13h30: Lunch break at the ICT Center**
- **13h30-15h: Integration Algorithms**
- **15h-15h15: Coffee break at the ICT Center**
- **15h15-17h: Orthogonal Polynomials**
- **17h-17h30: Evaluation and closing of the workshop**

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