

Two lectures on five dimensional supergravity¹

S. Cucu²

*Instituut voor Theoretische Fysica, Katholieke Universiteit Leuven,
Celestijnenlaan 200D B-3001 Leuven, Belgium*

*TSM, Physics Department, Universiteit Antwerpen,
Groenenborgerlaan 171 B-2020 Antwerpen, Belgium*

ABSTRACT

In these two lectures we review the construction of supergravity theories with the help of superconformal tensor calculus. After recalling the main ingredients (superconformal symmetry and gauge equivalence), we apply the method for the case of $N = 2$, $D = 5$ matter-coupled supergravity.

¹ Lectures delivered at the ‘Spring School in QFT and Hamiltonian Systems’, Calimanesti, May 2002.

² Research supported in part by the Federal Office for Scientific, Technical and Cultural Affairs through the Interuniversity Attraction Pole P5/27 and the European Community’s Human Potential Programme under contract HPRN-CT-2000-00131 Quantum Spacetime.