

## NONCOMMUTATIVE GAUGE THEORIES

*M. Wohlgenannt*

Faculty of Physics, University of Vienna  
(*Boltzmannngasse 5, A-1090 Vienna, Austria;*  
*e-mail: michael.wohlgenannt@univie.ac.at*)

### S u m m a r y

We review two different noncommutative gauge models generalizing the approaches which lead to renormalizable scalar quantum field theories. One of them implements the crucial IR damping of the gauge field propagator in the so-called “soft breaking” part. We discuss one-loop renormalizability.