

THE PROBLEM OF INTERACTION  
IN A DYNAMICAL THEORY  
OF PARTICLES (GENERAL QUESTIONS). 2

*S. S. Sannikov-proskuryakov, M. J. T. F. Cabbolet*

National Scientific Center  
'Kharkiv Institute of Physics and Technology'  
(1, Academichna Str., Kharkiv 61108, Ukraine)

S u m m a r y

We continue the consideration of the interaction problem in the frame of a new field particle theory. Here a new correspondence principle and the connection between bilocal and usual local fields are discussed. The method of second quantization of bilocal fields is formulated and a scattering matrix is built. Explicit form of smearing operators and formfactors is found. Comparison of a new particle field theory with the old (local) axiomatic approach is given.