

ULTRAVIOLET PROPERTIES OF THE YUKAWA MODEL

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In a yet unpublished joint work with A. Pizzo we consider the one-particle sector of the spinless Yukawa model without pair-creation. The nucleon as well as the bosons have relativistic dispersion relations and have a strictly positive bare mass. We show that independently of any potential mass renormalization the model becomes trivial. I will give a brief overview on the used multi-scale technique and our results.