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Dear Christoph, Xavier, Anton, and Michael,

For more than three years my group now has enjoyed working with the kwant software package that you developed and continue to develop. Now that you are looking for ways to secure the continuity of funding for the development of the kwant software, I would like to take this opportunity to express my support in the strongest possible terms.

The kwant software is different from other software packages used in the computational physics community in the sense that it is intended to have an impact *outside* the traditional computational physics community. And, indeed, it has! I do not consider myself as a computational physicist, and do not think anyone would, yet the kwant software has become an invaluable tool in my group's research. Its advantages are that it is easy to use, that it is transparent, and that it uses precisely those concepts that also appear in the analytical approaches. We have used kwant for a first rough analysis of models that we would subsequently address with analytical tools, or to test predictions of approximate theories against calculations for realistic lattice models. Results obtained by kwant have not only found their way in a large number of B.Sc. and M.Sc. theses, but also into research articles coming out of my group.

I believe kwant is likely to revolutionize the field of quantum transport theory, since the numerical analysis of transport and thermodynamic properties of quantum lattice models becomes virtually effortless. To what extent this has the ability to accelerate research becomes clear, once you realize that numerical calculations that almost filled a Ph.D. thesis in the "pre-quant era" now have become a matter of a single afternoon.

I have heard about your plans to further extend the functionalities of the kwant package, for example to time dependent or interacting systems. That would be another revolution. The further development of kwant is an important investment in science.

With best regards,

Piet Brouwer