

## **Extended multi-scalar field theories in $(1 + 1)$ dimensions**

*Friday 10 December 2021 14:40 (35 minutes)*

In this talk, I am going to present the explicit construction of some multi-scalar field theories in  $(1 + 1)$  dimensions supporting BPS solutions. The construction is based on the ideas of the so-called extension method. In particular, I am going to discuss some interesting field theories constructed from non-trivial couplings between several sine-Gordon fields.

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