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Towards constructing one-bit binary adder in excitable chemical medium

[Ben De Lacy
Costello, Andy
Adamatzky,](#)

Ishrat Jahan,

Liang Zhang

*(Submitted on 22
Oct 2010)*

Light-sensitive modification (ruthenium catalysed) of the Belousov - Zhabotinsky medium exhibits various regimes of excitability depending on the levels of illumination. For certain values of illumination the