

Fantastic diagrams and how to bend them

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String diagrams are graphical and intuitive ways to work with monoidal categories. They are in fact very common and most scientist are familiar with them even not always realizing it. For example they underly linear algebra, proof nets, quantum computation, boolean circuits, control flow diagrams or electrical circuits. In some specific cases the manipulation of these diagrams can be made easier by the only topology matter paradigm, which allows one to intuitively move the wires.