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Stacks associated to abelian tensor categories

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For an abelian tensor category a stack is constructed. As an application we show that our construction can be used to recover a quasi-compact separated scheme from the category of its quasi-coherent sheaves. In another application, we show how the "dual stack" of the classifying stack \$BG\$ of a finite group \$G\$ can be obtained by altering the tensor product on the category \$\rep{G}\$ of \$G\$-representations. Using glueing techniques we show that the dual pair of a \$G\$-gerbe, in the sense of [TT10], can be constructed by glueing local dual stacks.

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