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**Jonathan Beardsley** and **Liang Ze Wong\*** (wong1z@uw.edu). *The enriched Grothendieck construction*. Preliminary report.

The Grothendieck construction and its inverse show that the category of fibrations over a base category  $\mathcal{B}$  is equivalent to the category of pseudofunctors  $\mathcal{B}^{op} \rightarrow \mathbf{Cat}$ , also known as graded or indexed categories. In this talk, we develop the theory of fibrations for categories enriched over a semi-cartesian monoidal category  $\mathcal{V}$ , along with enriched versions of the Grothendieck construction and its inverse. We then mention some modifications required when enriching over  $\mathbf{Vect}_k$ , which is not semi-cartesian. (Received January 25, 2018)