

**V5A4 – GEOMETRY AND HIGHER CATEGORY THEORY**  
**WINTER 2025/26**

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PRELIMINARIES

These notes roughly correspond to the course **V5A4 – Geometry and Higher Categories** taught by Prof. Peter Scholze at the Universität Bonn in the Winter 2025/26 semester. These notes are L<sup>A</sup>T<sub>E</sub>X-ed after the fact with significant alteration and are subject to misinterpretation and mistranscription. Use with caution. Any errors are undoubtedly my own and any virtues that could be ascribed to these notes ought be attributed to the instructor and not the typist.

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