

CONTACT INFORMATION	Korteweg-de Vries Institute of Mathematics University of Amsterdam 105-107 Science Park Amsterdam 1098XG	Homepage: <a href="http://math.columbia.edu/~nolander/">http://math.columbia.edu/~nolander/</a> ✉ E-mail: <a href="mailto:n.b.olander@uva.nl">n.b.olander@uva.nl</a>
EMPLOYMENT	University of Amsterdam	September 2022–September 2024
	<ul style="list-style-type: none"> <li>• Postdoctoral researcher</li> <li>• Supervisor: Lenny Taelman</li> </ul>	
	Hausdorff Research Institute for Mathematics	September 2023–December 2023
	<ul style="list-style-type: none"> <li>• Visiting researcher</li> <li>• Participant in the Junior Trimester Program on Algebraic geometry: derived categories, Hodge theory, and Chow groups</li> </ul>	
EDUCATION	Columbia University	September 2017–May 2022
	<ul style="list-style-type: none"> <li>• PhD in Mathematics</li> <li>• Advisor: Aise Johan de Jong</li> </ul>	
	UCLA	September 2013–June 2017
	<ul style="list-style-type: none"> <li>• BS and MA in Mathematics, GPA: 3.97</li> <li>• Summa Cum Laude, Departmental Honors, Departmental Scholar</li> </ul>	
AWARDS	<b>Daus Prize</b> from the UCLA Mathematics Department	2017
PAPERS	<ol style="list-style-type: none"> <li>1. <i>Ample line bundles and generation time</i>. Journal für die reine und angewandte Mathematik (2023).</li> <li>2. <i>Resolutions, bounds, and dimensions for derived categories of varieties</i> (PhD Thesis, 2022).</li> <li>3. <i>On weakly étale morphisms</i> <a href="https://arxiv.org/abs/2202.05875">arXiv:2202.05875</a> (with Aise Johan de Jong, 2022).</li> <li>4. <i>Fully Faithful Functors and Dimension</i>. <a href="https://arxiv.org/abs/2110.09256">arXiv:2110.09256</a> (2021).</li> <li>5. <i>The Rouquier Dimension of Quasi-Affine Schemes</i>. <a href="https://arxiv.org/abs/2108.12005">arXiv:2108.12005</a> (2021).</li> <li>6. <i>The Diagonal Dimension of Curves</i>. <a href="https://arxiv.org/abs/2106.15657">arXiv:2106.15657</a> (2021). Accepted to International Mathematics Research Notices.</li> <li>7. <i>Orlov's Theorem in the Smooth Proper Case</i>. <a href="https://arxiv.org/abs/2006.15173">arXiv:2006.15173</a> (2020).</li> </ol>	
OTHER WRITING	<ol style="list-style-type: none"> <li>1. <i>Theorem of the Base</i> (with Raymond Cheng, Lena Ji, and Matt Larson). Chapter of the book <a href="#">Stacks Project Expository Collection</a>, London Mathematical Society Lecture Note Series (2022).</li> <li>2. <i>Detecting Boundedness</i>. A section of the Stacks Project. Modified version available at <a href="https://stacks.math.columbia.edu/tag/0GEI">https://stacks.math.columbia.edu/tag/0GEI</a> (2021).</li> </ol>	
INVITED TALKS	<ul style="list-style-type: none"> <li>• Junior Belgian–Dutch Algebraic Geometry Seminar</li> <li>• Korteweg-de Vries General Mathematics Colloquium</li> <li>• University of Angers Topology and Algebraic Geometry Seminar</li> <li>• Dutch intercity geometry seminar on condensed mathematics</li> <li>• University of Amsterdam Algebraic Geometry Seminar</li> <li>• University of Michigan Algebraic Geometry Seminar</li> <li>• Northwestern Algebraic Geometry Seminar</li> <li>• Stanford Algebraic Geometry Seminar</li> <li>• American Graduate Student Algebraic Geometry Seminar</li> </ul>	<p>June 2023</p> <p>June 2023</p> <p>February 2023</p> <p>October 2022</p> <p>September 2022</p> <p>January 2022</p> <p>January 2022</p> <p>December 2021</p> <p>October 2020</p>

ADVISING	At the University of Amsterdam:	
	<ul style="list-style-type: none"> <li>Advised the bachelor thesis of Michiel Plompwinkler on the degree-genus formula for plane curves.</li> </ul>	Spring 2023
TEACHING	For Mastermath (the joint masters program of the Dutch mathematics departments):	
	<ul style="list-style-type: none"> <li>Algebraic Geometry 2</li> </ul>	Spring 2024
	At Amsterdam University College:	
	<ul style="list-style-type: none"> <li>Calculus 1</li> </ul>	Fall 2022
	At Columbia University:	
	<ul style="list-style-type: none"> <li>Calculus 1</li> </ul>	Summer 2020
	At Columbia University, as a TA:	
	<ul style="list-style-type: none"> <li>Commutative Algebra</li> </ul>	Fall 2021
	<ul style="list-style-type: none"> <li>Linear Algebra</li> </ul>	Spring 2021
	<ul style="list-style-type: none"> <li>Linear Algebra</li> </ul>	Fall 2020
	<ul style="list-style-type: none"> <li>Intro to Modern Algebra 1</li> </ul>	Spring 2020
	<ul style="list-style-type: none"> <li>Calculus 2</li> </ul>	Fall 2019
	<ul style="list-style-type: none"> <li>Calculus 2</li> </ul>	Summer 2019
	<ul style="list-style-type: none"> <li>Intro to Modern Algebra 2</li> </ul>	Spring 2019
	<ul style="list-style-type: none"> <li>Linear Algebra</li> </ul>	Fall 2018
	At the LA Math Circle, as a Lead Instructor:	
	<ul style="list-style-type: none"> <li>High School 1</li> </ul>	Fall 2016–Spring 2017
	<ul style="list-style-type: none"> <li>Junior Group</li> </ul>	Summer 2016
	<ul style="list-style-type: none"> <li>Advanced Group</li> </ul>	Fall 2015–Spring 2016
	At the LA Math Circle, as an Assistant Instructor	
	<ul style="list-style-type: none"> <li>Intermediate 1 Group</li> </ul>	Fall 2014–Spring 2015