

# List of Publications for TWAS

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## Research Publications

1. Paranjape, K H, and S Ramanan “On the Canonical Ring of a Curve.” *Algebraic Geometry and Commutative Algebra* 2: 503–16.
2. Paranjape, K H “Abelian Varieties Associated to Certain K3 Surfaces.” *Compositio Mathematica* 68 (1): 11–22.
3. Paranjape, K H, and V Srinivas “Self Maps of Homogeneous Spaces.” *Inventiones Mathematicae* 98 (2): Springer: 425–44.
4. Paranjape, K H, and V Srinivas “Continuous Self-Maps of Quadric Hypersurfaces.” In *Proceedings of the Indo-French Conference on Geometry (Bombay, 1989)*, 135–48.
5. Gurjar, RV “Remarks on the Topology of Surface Singularities and Applications. With an Appendix by K. Paranjape.” In *Proceedings of the Indo-French Conference on Geometry (Bombay, 1989)*, 95–102.
6. Paranjape, K H “Curves on Threefolds with Trivial Canonical Bundle.” *Proc. Ind. Acad. Sci.-MathSci* 101 (3). Springer: 199–213.
7. Hulek, K, K H Paranjape, and S Ramanan “On a Conjecture on Canonical Curves.” *Journal of Algebraic Geometry* 1 (11): 335–59.
8. Paranjape, K H “Riemann Surfaces, Projective Curves and the Iso-Spectral Problem.” *Current Science* 63 (5): 10.
9. Paranjape, K H, and V Srinivas “Unirationality of the General Complete Intersection of Small Multidegree.” *Astérisque* 211. Soc Mathématique France: 241–48.
10. Paranjape, K H “Cohomological and Cycle-Theoretic Connectivity.” *Annals of Mathematics* 139 (3). JSTOR: 641–60.
11. Esnault, H, and K H Paranjape “Remarks on Absolute de Rham and Absolute Hodge Cycles.” *Comptes Rendus de L’Académie Des Sciences-Serie I-Mathématique* 319 (1). Paris: Gauthier-Villars, c1984-c2001.: 67–72.
12. Paranjape, K H, and V Srinivas “Algebraic Cycles.” *Current Trends in Mathematics and Physics* 1995: 71–86.
13. Paranjape, K H “Some Spectral Sequences for Filtered Complexes and Applications.” *Journal of Algebra* 186 (3). Elsevier: 793–806.
14. Paranjape, K H, and V Pati “Seiberg-Witten Invariants — an Expository Account.” *Proc. Ind. Acad. Sci.-Math. Sci.* 109 (3). Springer: 257–70.
15. Paranjape, K H “Axiomatic and Coordinate Geometry.” *Analysis, Geometry and Probability: Essays in Honour of KR Parthasarathy* 10. Narosa: 140.
16. Paranjape, K H “The Bogomolov-Pantev Resolution — an Expository Account.” *LMS Lecture Note Series*. Cambridge University Press, 347–58.
17. Biswas, I, and K H Paranjape “The Hodge Conjecture for General Prym Varieties.” *Journal of Algebraic Geometry* 11 (1): 33–39.
18. Biswas, J, G Dayal, K H Paranjape, and G V Ravindra “Higher Abel-Jacobi Maps.” In *Proceedings of the Tifr International Colloquium on Algebra, Arithmetic and Geometry 2000*. Narosa Publishing House.
19. Paranjape, K H “A Geometric Characterization of Arithmetic Varieties.” *Proc. Ind. Acad. Sci.-Math. Sci.* 112 (3). Springer: 383–91.
20. Green, M, P A Griffiths, and K H Paranjape “Cycles over Fields of Transcendence Degree 1.” *Michigan Math. J* 52 (1): 181–87.
21. Paranjape, K H, and D Ramakrishnan “Quotients of  $E^n$  by  $A_{n+1}$  and Calabi-Yau Manifolds.” In *Algebra and Number Theory: Proceedings of the Silver Jubilee Conference, University of Hyderabad*, edited by R Tandon. Hindustan Book Agency; Indian National Science Academy.
22. Paranjape, K H, and D Ramakrishnan “Modular Forms and Calabi-Yau Varieties.” *Arithmetic and Geometry* 420. Cambridge University Press: 351.

## Expository publications

### Books

1. Gurjar, R V, and others *Elliptic Curves*. Narosa Publishing House.

### Mathematics

1. Paranjape, K H “Kummer’s Proof of Fermat’s Last Theorem for Regular Primes: A Modern Viewpoint.” *Bona Mathematica*.
2. Srinivas, V, and K H Paranjape “The Weil Conjectures.” *Resonance* 4 (5). Springer: 71–77.
3. Paranjape, K H “The Work of Efim Zelmanov (Fields Medal 1994).” *Bona Mathematica*.
4. Paranjape, K H, and Dilip P Patil “Algebra for Everyone.” *Resonance* 1 (1). Springer: 109–10.
5. Paranjape, K H “Geometry: The Beginnings.” *Resonance* 1 (1). Springer: 34–39.
6. Paranjape, K H “Geometry: A Circle of Ideas.” *Resonance* 1 (2). Springer: 26–31.
7. Paranjape, K H “Geometry: Towards a Geometry of Space and Time.” *Resonance* 1 (3). Springer: 24–29.
8. Paranjape, K H “Geometry: Curves Vs Surfaces.” *Resonance* 1 (5). Springer: 6–11.
9. Paranjape, K H “Geometry: Enter Bernhard Riemann.” *Resonance* 1 (6). Springer: 33–40.
10. Paranjape, K H “Geometry: Space—the Final Frontier.” *Resonance* 1 (8). Springer: 28–33.
11. Paranjape, K H “Are All Matrices Diagonalisable?” *Resonance* 2 (8). Springer: 67–69.
12. Paranjape, K H “Andre Weil.” *Resonance* 4 (5). Springer: 3–5.
13. Paranjape, K H “A Glossary of Some Mathematical Terms.” *Resonance* 20 (6). Springer: 491–99.
14. Paranjape, K H “On Learning from Arnold’s Talk on the Teaching of Mathematics.” *Resonance* 19 (9). Springer: 862–65.
15. Paranjape, K H “Grothendieck and the Concept of Space.” *Resonance* 20 (6). Springer: 500–505.

### Computer Software

1. Paranjape, K H “How to Make a Stereogram with GIMP, Blender and Stereograph.” *Linux Gazette* 104.
2. Paranjape, K H “A Knight’s Tour on OCAML.” *Linux Gazette* 110.
3. Paranjape, K H “How to Roll up Your Desktop into a USB Stick.” *Linux Gazette* 113.
4. Paranjape, K H “A Report on SCaLE5x.” *Linux Gazette* 136.
5. Paranjape, K H “Debian on a Slug: Or How a Slug Made Friends with a GNU and a Penguin.” *Linux Gazette* 138.
6. Paranjape, K H “Setting up an Encrypted Debian System.” *Linux Gazette* 140.
7. Paranjape, K H “Who Is Using Your Network?” *Linux Gazette* 141.
8. Paranjape, K H “Virtualizing Without Virtualizing.” *Linux Gazette* 150.
9. Paranjape, K H “Not Screws and Bolts.” *Linux Gazette* 156.

