

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

CREPANT RESOLUTION CORRESPONDENCE FOR THE TOTAL SPACES OF CANONICAL BUNDLES OF PROJECTIVE SPACES

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Zoom link:

<https://bostonu.zoom.us/j/99616871293?pwd=NVVHNnJja1FsVE5GNWhSeWVhYnFjdz09>

Abstract: The total space $K_{P^{n-1}}$ of canonical bundle of the projective space P^{n-1} is a resolution of the singular variety C^n/Z_n that preserves the canonical bundle. We present a correspondence between Gromov-Witten theory of $K_{P^{n-1}}$ and Gromov-Witten theory of the stack quotient $[C^n/Z_n]$ in genus at least 2. This is a joint work with Deniz Genlik.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yu-Shen Lin (yslin@bu.edu) or Brian Williams (bwill22@bu.edu) for more information.