

TORIC GEOMETRY AND CALABI–YAU COMPACTIFICATIONS

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S u m m a r y

These notes contain a brief introduction to the construction of toric Calabi–Yau hypersurfaces and complete intersections with a focus on issues relevant for string duality calculations. The last two sections can be read independently and report on recent results and work in progress, including torsion in cohomology, classification issues, and topological transitions.