Eine Woche, ein Beispiel

6.8 from curve to abelian variety

Setting: C: sm proj curve over $\mathbb{C}$, of genus g

single basic object		embedding		moduli	
		cycle-class map	polarization		
curve	Jacobian	Abel-Jacobi	Θ-divisor	Torelli	Schottky
double cover	Prym	Abel-Prym	Θ-divisor	Prym-Torelli	
Riemann-Roch gonality & Clifford Brill-Noether Kirchhoff's matrix tree			intersection number singularity	bounded domain	

Rmk. This procedure can be mainly generated in two directions:

- Intermediate Jacobian $\mathrm{Jac}^d(X)$ for a sm proj variety X.
  e.g. Albanese variety & Picard variety

  Here, X can be replaced by a logarithmic pair (X, D).

  In some cases, the Intermedean Jacobian can be identified as some Prym variety.

- Tropical version.
  discrete graph + metric graph