1	Consider D lattice Hamiltonian for Skyrmions
	Model 71 = - JES; S; + ED; S; × S; - AZ S; - H Z S; =
	-> Compute ground state configuration : { Pick D to get small unit cell?
	-> Spin wave theory for dispersion -> Compute togological properties of magnon bands
	> Calculate Xxy = thermal Hall Effect
2	Consider & lattice Hamiltonian for Skyrmions Model $H = -J\xi S_i \cdot S_j + \xi D_{ij} \cdot S_i \times S_j - \Delta \xi S_{iz} - H \xi S_{iz}$
	Spin wave theory for dispersion {Pick D to get Small unit cell}
	→ Spin wave theory for dispersion unit cells → Compute togological properties of magnon bands
	-> Calculate Xxy = thermal Hall Effect
3	Consider D lattice Hamiltonian for Skyrmions
	$\mathcal{H} = -\underbrace{J_{\xi}S_{i}^{2} \cdot S_{j}^{2}}_{\langle ij \rangle} + \underbrace{\xi}D_{ij}^{2} \cdot \underbrace{S_{i}^{2}}_{\langle ij \rangle} \times \underbrace{S_{i}^{2}}_{\langle ij \rangle} - \Delta \underbrace{\xi}S_{i2}^{2} - \underbrace{H \xi}S_{i2}$
	→ Couple to dtid Superconductor