Discrete Leaves: The Role of $C^{1,1}$ Isometries, Hyperbolic Elastic Sheets and the Föppl-von Kármán Model

Questions:
- When & why do buckles occur
- Wrinkles $\iff$ Nonsmoothness $\iff$ Minimizers?
- Convex energy $E$, nonconvex admissible set $\mathcal{W}_{iso}^{2,2}$

Answers:
- Balance of principal curvatures
- Asymptotic parameterization
- Introduction of branch points ($C^{1,1}$ singularities)
- $C_{iso}^2$ is not dense in $\mathcal{W}_{iso}^{2,2}$ (Degree of normal map)
- Energy gap between $C_{iso}^{1,1}$ & $C_{iso}^2$?

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