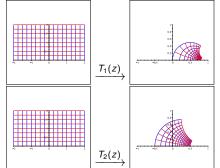
A PATH TO PROCESS GENERAL MATRIX FIELDS

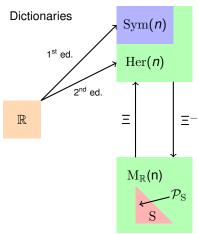
Moebius transformations (hyperbolic geometry):

$$T(z) = rac{az+b}{cz+d}, \ ad-bc
eq 0$$
 $\longleftrightarrow \ \mathbf{T} = \left(egin{array}{cc} a & b \ c & d \end{array}
ight) \in \mathrm{Gl}_2(\mathbb{R}) \subset \mathrm{M}_{\mathbb{R}}(\mathsf{n})$



$$\frac{1}{2} \boldsymbol{T}_1 + \frac{1}{2} \boldsymbol{T}_2 = \ ? \ , \ \operatorname{psup}(\boldsymbol{T}_1, \boldsymbol{T}_2) = ? \ , \ \operatorname{pinf}(\boldsymbol{T}_1, \boldsymbol{T}_2) = ?$$

Scientific contribution:



Open research question:

Interesting real-world application?

