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Title: Grünwald shift spaces

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An n -dimensional differentiable shift space $\mathcal{S}$ for which in case $n = 2$ there exists an affine connection if $\mathcal{S}$ is a Grünwald plane (cf. [?, § 4]) admits for $n \geq 3$ no affine connection. In contrast to this the set of all images of the system of curves arising by shifting the argument from a Grünwald curve $\mathcal{C}$ under the translation group of $\mathbb{R}^n$ is a system of geodesics with respect to a metrizable affine connection if and only if $\mathcal{C}$ is a curve corresponding to parabolas in a suitable coordinate system.

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