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Title: Translation curves and their spheres in homogeneous geometries

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In this paper five 3-dimensional homogeneous geometries **Sol**, **Nil**, and product geometries $(\mathbf{H}^2 \times, \mathbf{S}^2 \times)$ are discussed. We introduce a seemingly new family of curves, called translation curves. These curves seem to be more natural in these geometries, than their geodesic lines. Visualization of the corresponding curves and spheres has also been elaborated.

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