1121-53-144   **Virginie Charette*** (`v.charette@usherbrooke.ca`), Department of Mathematics, Université de Sherbrooke, 2500 boul. de l'Université, Sherbrooke, QC J1K 2R1, Canada, and **Youngju Kim** (`geometer1@kias.re.kr`), 120 Neungdong-ro, Gwangjin-gu, Seoul, 143-701, South Korea.
Foliations by crooked planes.

Crooked planes are used to bound fundamental domains for the actions of *affine Schottky groups*; these are groups of Lorentzian isometries of R^3, whose linear parts are purely hyperbolic. One might wonder how "flexible" crooked planes may be : for instance, can we use them to foliate R^3, or subsets of R^3 (fundamental domains, in particular)?

Given a regular curve in Minkowski spacetime, we describe necessary and sufficient conditions for this curve to support a family of pairwise-disjoint crooked planes. Using this criterion, we describe crooked foliations along orbit curves of one-parameter groups of Lorentzian isometries. (Received July 17, 2016)