

O ACESSO ÀS FEIRAS LIVRES NA CIDADE DE BELO HORIZONTE (MG) – UM ESTUDO SOBRE GEOMETRIA TÁXI EM RELEVOS ACIDENTADOS⁸

Paula Barreto Haddad¹
Diego Filipe Cordeiro Alves²
Sandro Laudares³

1 - Pontifícia Universidade Católica de Minas Gerais - (pbhaddad@gmail.com)

2 - Pontifícia Universidade Católica de Minas Gerais - (diegofcalves@gmail.com)

3 - Pontifícia Universidade Católica de Minas Gerais - (sandrolaudares@gmail.com)

ABSTRACT

This article searches methodological insights to studying distances in non-euclidean space. One of such spaces is measured according to the taxicab geometry that takes into consideration distances shaped by city blocks. Our aim was to, departing from this spatial configuration, measure the resistance – understood as impedance or cost – applied to taxicab distances. To pursue this task, we studied the relief influence on distances inside Belo Horizonte Municipality (Minas Gerais, Brasil), selecting street fairs as a study case. We measured the relief role on pedestrians ride from and to these fairs, building their service areas. This study considers this area is both influenced by the distribution of city blocks and the relief resistance upon pedestrian rides. As a consequence, we discovered that the relief compromises the access to this equipment in two senses: shaping streets and blocks, but also compromising pedestrians' access to it because of the relief costs. As a result, this study hopes to contribute to understand urban configuration upon people's experience, taking into consideration relief costs applied to taxicab distances.

Keywords: Taxicab Geometry, Weighted Distance, Belo Horizonte Municipality (Brazil), Street Fairs.

⁸Este trabalho foi desenvolvido para a disciplina Tópicos Especiais em Geografia Quantitativa ministrada pelo Professor Leônidas Conceição Barroso no Programa de Pós-Graduação em Geografia – Tratamento da Informação Espacial em 2016. Os autores são gratos pelos incentivos e contribuições do professor na condução deste e de diversos outros trabalhos realizados no Programa.