

Accepted Manuscript

The Minkowski central partition as a pointer to a suitable distance exponent and consensus partitioning

Renato Cordeiro de Amorim, Andrei Shestakov, Boris Mirkin, Vladimir Makarenkov

PII: S0031-3203(17)30043-2
DOI: [10.1016/j.patcog.2017.02.001](https://doi.org/10.1016/j.patcog.2017.02.001)
Reference: PR 6037



To appear in: *Pattern Recognition*

Received date: 20 December 2015
Revised date: 19 October 2016
Accepted date: 1 February 2017

Please cite this article as: Renato Cordeiro de Amorim, Andrei Shestakov, Boris Mirkin, Vladimir Makarenkov, The Minkowski central partition as a pointer to a suitable distance exponent and consensus partitioning, *Pattern Recognition* (2017), doi: [10.1016/j.patcog.2017.02.001](https://doi.org/10.1016/j.patcog.2017.02.001)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We generate optimal Minkowski partitions at various values of the exponent p .
- We define the Minkowski profile based on the average similarity between partitions.
- Minkowski profile is highly correlated with ARI vectors related to the ground truth.
- We define the central Minkowski partition which can serve as a consensus partition.
- The Silhouette width should be used for selecting the optimal Minkowski exponent.

Download English Version:

<https://daneshyari.com/en/article/4969774>

Download Persian Version:

<https://daneshyari.com/article/4969774>

[Daneshyari.com](https://daneshyari.com)