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Bundle-shaped pigtail algorithm

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Bundle-shaped pigtail algorithm

A proximal bundle method-based algorithm with penalty strategy and

In this paper, we consider a class of nonconvex nonsmooth constrained problems with inexact data. To deal with the constraints, the penalty strategy is adopted during the process to

Bundle Methods for Machine Learning

These algorithms are designed for nonsmooth functions, and essentially choose an arbitrary element of the subgradient set to perform a gradient descent like update.

Overview of bundle analytics (BUAN) framework. (A)

We conducted a quantitative shape analysis by calculating bundle shape metrics, and found that our bundle templates better capture the shape distribution of the

A discretization algorithm for nonsmooth convex semi-infinite

We propose a discretization algorithm for solving a class of nonsmooth convex semi-infinite

programming problems that is based on a bundle method. Instead of employing the inexact

[2210.15460v2] Accurate Bundle Matching and Generation via

How can we recommend existing bundles to users accurately? How can we generate new tailored bundles for users? Recommending a bundle, or a group of various items, has attracted

PROXIMAL BUNDLE METHODS AND NONLINEAR

In this thesis, we will explore a class of algorithms called the proximal bun-dle method, which takes ideas from both subgradient method and proximal method above. Specifically, the bundle method

Fiber bundles simulator using exponential curves to validate fiber

This representation uses bundle centroids and shape parameters to obtain a more realistic appearance of the fascicles. The simulator was validated using a deep white matter fiber bundle atlas, obtaining a

A proximal bundle method-based algorithm with penalty strategy and

For solving nonsmooth convex constrained optimization problems, we propose an algorithm which combines the ideas of the proximal bundle methods with the filter strategy for

(PDF) Reaction-Diffusion Algorithm for Quantitative

PDF , On Jan 1, 2022, Hiroto Shoji and others published Reaction-Diffusion Algorithm for Quantitative Analysis of Periodic V-Shaped Bundles of Hair Cells in

Bundle analytics, a computational framework for investigating the

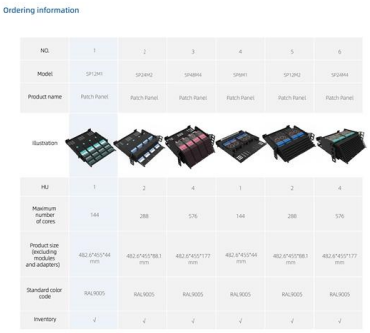
Explicitly, we only provided the bundles themselves. The goal was thus to see the shape differences along the lengths of the bundles and study their sub-clusters. In (D.b), BUAN created a similarity

A proximal bundle method-based algorithm with penalty strategy and

We propose an inexact proximal bundle method for constrained nonsmooth nonconvex optimization problems whose objective and constraint functions are known through oracles which

Napsu Karmitsa

MPBNGC is a multiobjective proximal bundle method for nonconvex, nonsmooth (nondifferentiable) and generally constrained minimization. The software is free for academic

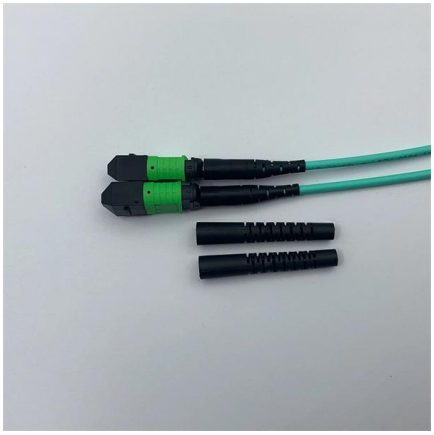


A proximal bundle method-based algorithm with penalty strategy and

Meanwhile, the sum of the corresponding cutting planes is regarded as the cutting plane for the modified unconstrained problem and proximal bundle method is adopted to deal with the

Buyer Formation with Bundle of Items in E-Marketplaces by Genetic Algorithm

The simulation of the proposed algorithm is evaluated and compared with the GAGroupBuyer scheme by Sukstrienwong (Buyer formation with bundle of items in e-marketplaces



[2210.15460] Accurate Bundle Matching and Generation via Multitask

How can we recommend existing bundles to users accurately? How can we generate new tailored bundles for users? Recommending a bundle, or a group of various items, has attracted

Bundle methods for inexact data

We review algorithms based on the bundle methodology, mostly developed quite recently, that have the ability to handle inexact data.

Bundle Methods for Machine Learning

Unfortunately, it is not straightforward to extend these algorithms to optimize a non-smooth objective. In such cases one has to resort to bundle methods , which are based on the following elementary

Bundle analytics, a computational framework for investigating the

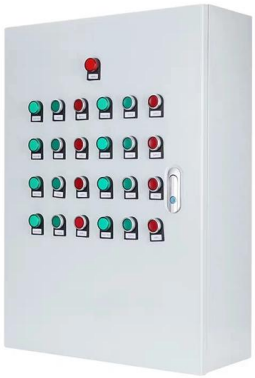
For this purpose, we introduced a novel network-based, bundle shape analysis method using bundle adjacency metrics to assess and compare shapes of the same type of bundles, across

Bundle Adjustment

This paper is a survey of the theory and methods of photogrammetric bundle adjustment, aimed at potential implementors in the computer vision community. Bundle adjustment is the problem

A new infeasible proximal bundle algorithm for nonsmooth nonconvex

Proximal bundle method has usually been presented for unconstrained convex optimization problems. In this paper, we develop an infeasible proximal bundle method for



Bundle Methods , Springer Nature Link

In this chapter, we first introduce the most frequently used bundle methods, that is, the proximal bundle and the bundle trust methods, and then we describe the basic ideas of the second

Standard Bundle Methods: Untrusted Models and Duality

We review the basic ideas underlying the vast family of algorithms for nonsmooth convex optimization known as "bundle methods". In a nutshell, these approaches are based on constructing

Optical fiber bundles: Ultra-slim light field imaging probes

Light field microscopy through bare optical fiber bundles paves the way for depth-resolved fluorescence microendoscopy.

A Transformation-Proximal Bundle Algorithm for Solving

The proximal bundle method is developed for the resulting two-stage ARO problem. We perform a theoretical analysis to show finite convergence of

dipy/doc/examples/segment_quickbundles.py at master

DIPY is the paragon 3D/4D+ medical imaging library in Python. Contains generic methods for spatial normalization, signal processing, machine learning, statistical analysis and visualization of medical

Fiber bundle

Fiber bundle A cylindrical hairbrush showing the intuition behind the term fiber bundle. This hairbrush is like a fiber bundle in which the base space is a cylinder

A new algorithm to generate randomly distributed fibers

In the present article, a meso-scale insight into the cross-sectional responses of parallel fiber bundle under transverse compression was made. A

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