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SPARS 2019

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Wed, May 15, 2019 at 9:18 AM

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Dear Armin Eftekhari,

We are happy to inform you that your paper has been accepted at SPARS 2019 to be held in Toulouse, France, on July 1-4 th, 2019.

The program will be communicated next week, with the type of presentations (oral or poster) for the contributions.

Please also note that to be included in the schedule and proceedings, at least one author must attend the conference and register by Saturday 15th June, 2019.

Note that registrations are now open. You can register via this link:
www.conftool.net/spars2019

We thank you for your submission, and look forward to seeing you in Toulouse.

Yours Sincerely,

The SPARS 2019 Scientific Program Committee

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RESULT

This contribution has been accepted.

OVERVIEW OF REVIEWS

Review 1

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Comments for the Authors

The abstract announces interesting results for an important problem. However there are major bibliographical gaps on nonconvex Lagrangian methods: works of Pong-Li, Bolte-Sabach-Teboulle or Yin et al. It is thus quite difficult to estimate the real value of the announced novelties.

Besides, the term novel geometric condition is quite suspect given the importance of RIP or KL in this literature, which are not even mentioned.

This lack of precision/refs suggest that a poster presentation is safer.

Meta-Review 2

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Comments for the Authors

The authors investigate the convergence rate analysis of an augmented Lagrangian algorithm in a non-convex context.

Although this work appears to be very interesting, some points are not very

clear.

1- The convergence results are not well explained: What are the conditions? Do the authors use a KL-based approach, or another approach? References would help.

2- After equation (1) authors propose to focus on the case when $b=0$. I am not sure that this point is important since no proof is given. In addition, in Section III it seems that b is not equal to 0. Please clarify this point.

3- Notation for $A(x)$ in equation (3) is not usual. Please introduce \mathcal{A}^2

4- z_* is not defined.

5- Bibliography on non-convex optimisation should be improved. The authors should add references, e.g. of the work of Bolte-Sabach-Teboulle.

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