Big Data Platforms  
 Stragglers and serverless computing  
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 ..\..\2022  
AbstractShort description of the problem you are solvingMotivation and backgroundDescribe the relevant background, putting emphasize what are struggler tasks, the rootcause their appear, provide examples and explain how different Big Data engines dealsstraggler tasks.Stragglers in serverless computingExplain what is serverless computing and the problem of straggler tasks in serverlessparadigm. Be specific and address various points on difference and similarity of thestraggler tasks in serverless computing vs other cluster based Big Data engines.Stragglers in jobs submitted by LithopsExplore and explain how Lithops submit it’s job and knows which tasks are finished andwhich tasks yet running. Explain how Lithops know when entire job is finished and how itwaits for the running tasks to complete. Provide two different approaches to extendLithops with mechanism to prevent jobs to be affected by straggler tasks. Addressdifferent aspects of complexity of implementation, costs, performs. Explain positive andnegative effects of the approaches you propose.PrototypeProvide pseudo-code for the approaches you propose. Explain how it works.Next stepsSuggest next steps to the solutions you proposedConclusionShort conclusion of the work you didBibliographyList of all sources you were using in the project. At least 6 different sourcesPossible 2 out of 6 sources1. https://www.cs.fsu.edu/~yuw/pubs/2015-NAS-Yu.pdf  
2. https://mjeer.journals.ekb.eg/article\_62728\_c818f3f951476c6005647f9ba7364efd.pdf