

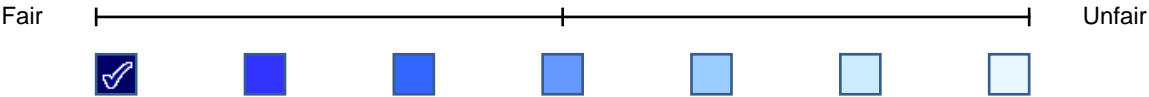
Fair Use Evaluation Documentation

Compiled using the **Fair Use Evaluator** [cc] 2008 Michael Brewer & the Office for Information Technology Policy, <http://librarycopyright.net/fairuse/>

Name:	Nilton Alan Garcia Hilares
Job Title:	A Parallel Aggregation Algorithm for Inter-Grid Transfer Operators in Algebraic Multigrid
Institution:	Virginia Tech
Title of Work Used:	Exposing fine-grained parallelism in algebraic multigrid methods
Copyright Holder:	Bell, N., Dalton, S., and Olson/Society for Industrial and Applied Mathematics
Publication Status:	Published
Publisher:	Society for Industrial and Applied Mathematics
Place of Publication:	
Publication Year:	2012
Description of Work:	Paper in SIAM Journal on Scientific Computing 34
Date of Evaluation:	October 14, 2019
Date of Intended Use:	October 14, 2019

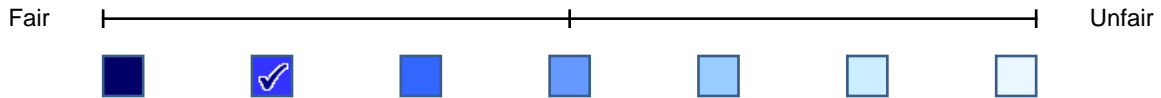
Describe the **Purpose** and Character of Your Intended Use:

[+] Use is for "criticism, comment, news reporting, teaching, (including multiple print copies for classroom use), scholarship or research"
[+] Use is transformative, i.e. it uses the existing work in a new way (creates an index to the work) or for a new purpose (parody, pastiche, instructional materials, etc.) Transformative works are favored because the purpose of U.S. Copyright Law is to encourage the development and dissemination of new knowledge to benefit the public and thereby advance learning.
[+] Use is socially beneficial (promotes the creation of new knowledge, learning, etc.) [define how]
[+] Use is not-for-profit
[+] Use is one-time, or is only occasional or spontaneous



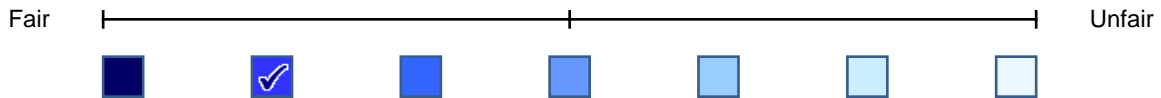
Describe the **Nature** of Your Intended Use of the Copyrighted Work:

[+] Work to be used has been previously PUBLISHED
[+] Work to be used contains limited new knowledge, content, or creative expression (in relation to previously copyrighted works)
[+] Work to be used is primarily of a factual nature (non-fiction, collection of facts, etc.)



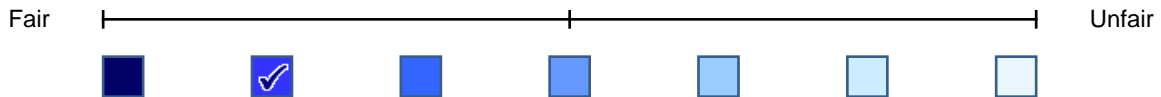
Describe the **Amount** of Your Intended Use in Relation to the Copyrighted Work as a Whole:

[+] Only limited and reasonable portions will be used
[+] The portion used is not the "heart" of the work (the portion considered most central to the work as a whole)



Describe the **Effect** of Your Intended Use on the Potential Market or Value of the Copyrighted Work:

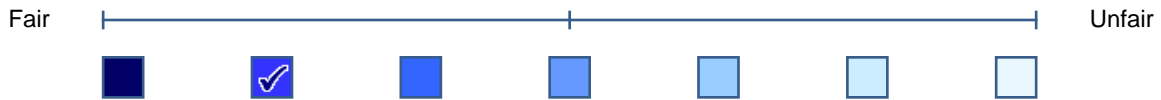
[+] A market for the work as it will be used is absent or is negligible & use of the work will have little or no negative impact on its value or potential value
[+] Use of the work has the potential to create or improve the market for the work
[+] Proper attribution will be given with the intended use



The Average **"Fairness Level,"** Based on Your Rating of Each of the 4

Factors, Is:

[\[see tool disclaimer for important clarifying information\]:](#)



Based on the information and justification I have provided above, I, Nilton Alan Garcia Hilares, am asserting this use is **FAIR** under Section 107 of the U.S. Copyright Code.

Signature: Nilton Garcia Hilares

Date of Signature: October 14, 2019

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