



Volume 10, Issue 4, Article 116

Strengthened Cauchy-Schwarz and Hölder Inequalities

Authors: [J. M. Aldaz,](#)

Keywords: Strengthened Cauchy-Schwarz, Strengthened Hölder inequality.

Date Received: 07/11/2009

Date Accepted: 14/12/2009

Subject Codes: 26D99, 65M60.

Editors: [Sever S. Dragomir,](#)

Abstract: We present some identities related to the Cauchy-Schwarz inequality in complex inner product spaces. A new proof of the basic result on the subject of strengthened Cauchy-Schwarz inequalities is derived using these identities. Also, an analogous version of this result is given for strengthened Hölder inequalities.



[Download Screen PDF](#)



[Download Print PDF](#)



[Send this article to a friend](#)



[Print this page](#)

search

[\[advanced search\]](#)

copyright 2003

[terms and conditions](#)

[login](#)