

# TITLE OF PAPER

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**ABSTRACT.** The journal is an author-prepared journal which means that authors are responsible for the proper formatting of accepted manuscripts by using the style file of the journal. The journal does not consider any more submission of (co)authors while one of their papers is **still under review by the journal**.

## 1. INTRODUCTION AND PRELIMINARIES

Here you should state the introduction, preliminaries and your notation. Authors are required to state clearly the contribution of the paper and its significance in the introduction. There should be some survey of relevant literature.

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equations or sections must be avoided.

- (8) Acknowledgement: At the end of paper but preceding to References.
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## 2. MAIN RESULTS

The following is an example of a definition.

**Definition 2.1.** Let  $\mathcal{X}$  be a real or complex linear space. A mapping  $\|\cdot\| : \mathcal{X} \rightarrow [0, \infty)$  is called a 2-norm on  $\mathcal{X}$  if it satisfies the following conditions:

- (1)  $\|x\| = 0 \Leftrightarrow x = 0$ ,
- (2)  $\|\lambda x\| = \|\lambda\| \|x\|$  for all  $x \in \mathcal{X}$  and all scalar  $\lambda$ ,
- (3)  $\|x + y\|^2 \leq 2(\|x\|^2 + \|y\|^2)$  for all  $x, y \in \mathcal{X}$ .

Here is an example of a table.

TABLE 1.

|        |        |        |
|--------|--------|--------|
| 1      | 2      | 3      |
| $f(x)$ | $g(x)$ | $h(x)$ |
| $a$    | $b$    | $c$    |

This is an example of a matrix

$$\begin{bmatrix} 1 & -2 \\ 3 & 5 \end{bmatrix}$$

The following is an example of an example.

**Example 2.2.** Let  $\theta : \mathcal{A} \rightarrow \mathcal{A}$  be a homomorphism. Define  $\varphi : \mathcal{A} \rightarrow \mathcal{A}$  by  $\varphi(a) = a_0\theta(a)$ . Then we have

$$\begin{aligned} \varphi(a_1 \dots a_n) &= a_0\theta(a_1 \dots a_n) \\ &= \varphi(a_1) \dots \varphi(a_n). \end{aligned} \tag{2.1}$$

Hence  $\varphi$  is an  $n$ -homomorphism.

The following is an example of a theorem and a proof. Please note how to refer to a formula.

**Theorem 2.3.** *If  $\mathbf{B}$  is an open ball of a real inner product space  $\mathcal{X}$  of dimension greater than 1,  $\mathcal{Y}$  is a real sequentially complete linear topological space, and  $f : \mathbf{B} \setminus \{0\} \rightarrow \mathcal{Y}$  is orthogonally generalized Jensen mapping with parameters  $s = t > \frac{1}{\sqrt{2}}r$ , then there exist additive mappings  $T : \mathcal{X} \rightarrow \mathcal{Y}$  and  $b : \mathbb{R}_+ \rightarrow \mathcal{Y}$  such that  $f(x) = T(x) + b(\|x\|^2)$  for all  $x \in \mathbf{B} \setminus \{0\}$ .*

*Proof.* First note that if  $f$  is a generalized Jensen mapping with parameters  $t = s \geq r$ , then

$$\begin{aligned} f(\lambda(x+y)) &= \lambda f(x) + \lambda f(y) \\ &\leq \lambda(f(x) + f(y)) \\ &= f(x) + f(y) \end{aligned} \tag{2.2}$$

for some  $\lambda \geq 1$  and all  $x, y \in \mathbf{B} \setminus \{0\}$  such that  $x \perp y$ . Now the result can be deduced from (2.2).  $\square$

The following is an example of a remark.

*Remark 2.4.* One can easily conclude that  $g$  is continuous by using Theorem 2.3.

Again, note how we refer to Theorem 2.3 and formula (2.1).

**Acknowledgement.** Acknowledgements could be placed at the end of the text but precede the references.

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