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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : JURNAL INTERNASIONAL

Judul Jurnal Ilmiah (Artikel) : CRIME RATE IN CENTRAL JAVA, INDONESIA 2017: A SPATIAL ANALYSIS USING MIXED GEOGRAPHICALLY WEIGHTED REGRESSION

Nama/ Jumlah Penulis : Nur Azmi Prasetyo and Tarno

Status Pengusul : penulis ke-2, corresponding author

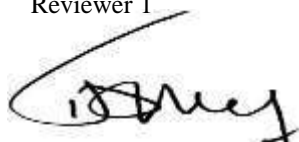
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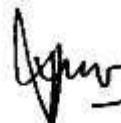
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Semarang,
Reviewer 1



Prof. Dr. Widowati, S.S., M.Si
 NIP. 196902141994032002
 Unit Kerja: FSM UNDIP
 Bidang Ilmu: Matematika

Reviewer 2



Nama : Prof. Dr. Sunarsih, M.Si
 NIP. 195809011986032002
 Unit Kerja : FSM Undip
 Bidang Ilmu: Matematika

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d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)		9		8,9
Total = (100%)		30		28,7
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- Kecukupan dan kemutakhiran data/informasi dan metodologi :**
Dalam studi tersebut, telah diperoleh sekumpulan informasi yang didukung oleh metodologi yang tepat dan didukung oleh referensi yang terbaru.
- Kelengkapan unsur dan kualitas terbitan:**
Jurnal ini tergolong J. Internasional (Editor board lebih dari 4 negara, Kontributor lebih dari 2 negara, ISSN: 0972-0871, terindeks di Index Copernicus, Google Scholar; proses editorial yang cukup baik. Artikel tidak terindikasi plagiasi, dengan hasil similarity index 12%, dan sesuai bidang ilmu pengusul (statistika terapan).

Semarang, April 2023

Reviewer 1

Prof. Dr. Widowati, S.Si., M.Si
NIP. 196902141994032002
Bidang Ilmu: Matematika

**LEMBAR
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c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		9		8,1
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)		9		8
Total = (100%)		30		27,3
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- Kecukupan dan kemutakhiran data/informasi dan metodologi :**
Dalam studi tersebut, telah diperoleh sekumpulan informasi yang didukung oleh metodologi yang tepat dan didukung oleh referensi yang terbaru.
- Kelengkapan unsur dan kualitas terbitan:**
Tergolong J. Internasional, ISSN: 0972-0871, terindeks di Indeks Copernicus, Google Scholar; proses editorial yang cukup baik. Artikel tidak terindikasi plagiasi, similarity index 12%, dan sesuai bidang ilmu.

Semarang, April 2023
Reviewer 2



Nama : Prof. Dr. Sunarsih, M.Si
 NIP. : 195809011986032002
 Bidang Ilmu: Matematika

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Yang bertanda tangan di bawah ini

Nama : Dr. Tarno. M.Si
NIP : 196307061991021001
NIDN : 0006076305
Pangkat (golongan ruang) : Pembina / IVa
Jabatan Akademik : Lektor Kepala
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Fakultas/Sekolah : Fakultas Sains dan Matematika

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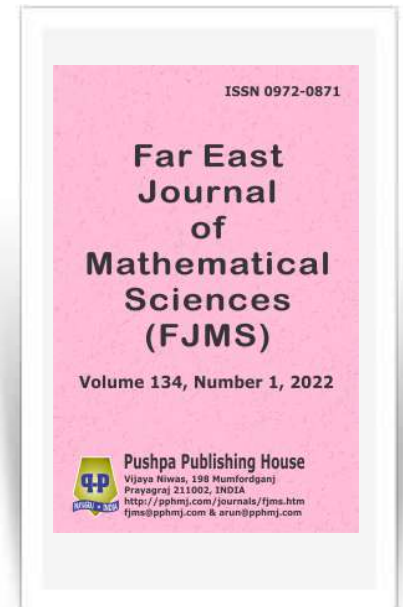
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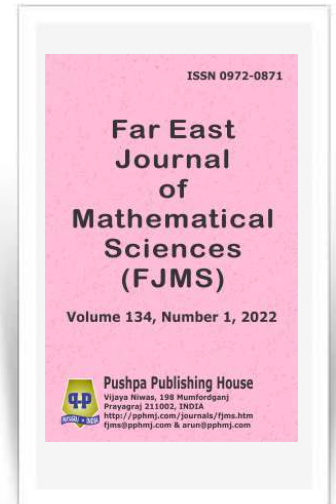
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Far East Journal of

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by: Murtono and Sugiyanto

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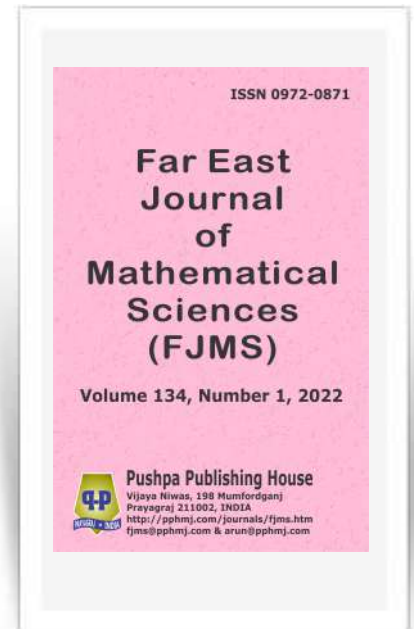
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ON WEAK I -ARMENDARIZ RING

Nazeer Ansari and Kh. Herachandra Singh

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Abstract

In this paper, we introduce a new unified approach to the generalization of the notion of a weak Armendariz property of polynomial ring and power series ring and investigate properties of such rings. We prove that R is weak I -Armendariz ring iff for any n , $T_n(R)$ is weak- $T_n(I)$ -Armendariz ring. We also show that if Δ is a multiplicative monoid in R consisting of central regular elements, then R is weak I -Armendariz iff $\Delta^{-1}R$ is weak I -Armendariz ring. Examples of weak I -Armendariz rings which are not I -Armendariz are given.

1. Introduction

Throughout this article, all rings are associative ring with identity, $R[x]$ and $R[[x]]$ will denote polynomial ring and power series ring, respectively, over the indeterminate x . A ring R is called *reduced* if it has no non-zero nilpotent element, equivalently R is reduced iff $a^2 = 0 \Rightarrow a = 0$ for any

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2010 Mathematics Subject Classification: Primary 16S36, 16U20, 16S50, 16S90.

Keywords and phrases: Armendariz rings, weak Armendariz ring, Armendariz module, weak Armendariz module.



LIFE SPAN OF SOLUTIONS FOR A DEGENERATE PARABOLIC EQUATION WITH NON-DECAYING INITIAL DATA

Takefumi Igarashi

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College of Science and Technology

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Chiba 274-8501, Japan

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Abstract

We consider the Cauchy problem of degenerate parabolic equation not in divergence form

$$u_t = u^p(\Delta u + u^q) \text{ in } \mathbf{R}^n \ (n \geq 1),$$

where $p \geq 1$ and $q \geq 1$. The initial condition u_0 is assumed to be bounded positive continuous function. For the non-decaying initial data at space infinity, we show that the positive solution blows up in finite time and gives a new estimate of the life span of positive solutions.

1. Introduction

We study the Cauchy problem for the nonlinear diffusion equation not in

Received: October 3, 2019; Accepted: November 12, 2019

2010 Mathematics Subject Classification: 35B44, 35K15, 35K55, 35K65.

Keywords and phrases: life span, degenerate parabolic equation, Cauchy problem, non-decaying initial data, blow-up.