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Abstract Algebra

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Abstract: Ring hypothesis is one of the pieces of the theoretical polynomial math that has been thoroughly used in pictures. Nevertheless, ring hypothesis has not been associated with picture division. In this paper, we propose another rundown of similarity among pictures using rings and the entropy work. This new record was associated as another stopping standard to the Mean Shift Iterative Calculation with the goal to accomplish a predominant division. An examination on the execution of the calculation with this new ending standard is finished. In spite of the fact that ring hypothesis and class hypothesis from the start sought after assorted direction it turned out during the 1970s – that the investigation of functor groupings furthermore reveals new plots for module hypothesis.

I. INTRODUCTION

In arithmetic, a ring is a logarithmic design including a set along with two paired activities generally called expansion and duplication, where the set is an abelian bundle under expansion (called the added substance social affair of the ring) and a monoid under augmentation so much that increase scatters over option. As such the ring aphorisms require that expansion is commutative, expansion and increase are agreeable, augmentation courses over expansion, each part in the set has an added substance opposite, and there exists an added substance character. A champion among the most notable instances of a ring is the plan of entire numbers provided with its standard activities of expansion and augmentation. Certain assortments of the meaning of a ring are now and again used, and these are plot later in the article.

The piece of math that audits rings is known as ring hypothesis. Ring scholars study properties fundamental to both notable logical constructions, for instance, entire numbers and polynomials, and to the significantly less remarkable mathematical designs that furthermore satisfy the aphorisms of ring hypothesis. The comprehensiveness of rings makes them a central figuring out rule of contemporary science.

Ring hypothesis may be used to fathom major actual laws, for instance, those essential remarkable relativity and evenness wonders in sub-nuclear science.

The possibility of a ring at first rose up out of tries to show Fermat's last hypothesis, starting with Richard Dedekind during the 1880s. After responsibilities from various fields, mostly number hypothesis, the ring thought was summarized and firmly settled during the 1920s by Emmy Norther and Wolfgang Krull. Present day ring hypothesis—an especially powerful mathematical control—contemplates rings in their own personal right. To explore rings, mathematicians have devised various plans to break rings into humbler, better-sensible pieces, for instance, beliefs, remainder rings and fundamental rings. Notwithstanding these theoretical properties, ring scholars moreover make various capabilities between the hypothesis of commutative rings and noncommutative rings—the past having a spot with logarithmic number hypothesis and arithmetical math. A particularly rich hypothesis has been made for a particular extraordinary class of commutative rings, known as fields, which exists in the area of field hypothesis. Likewise, the relating hypothesis for noncommutative rings, that of noncommutative division rings, contains a working assessment eagerness for noncommutative ring scholars. Since the exposure of an abnormal relationship between noncommutative ring hypothesis and math during the 1980s by Alain Connes, noncommutative calculation has transformed into a particularly unique control in ring hypothesis.

A ring will be described as a theoretical design with a commutative expansion, and an increase which may be commutative. This capability yields two exceptionally novel speculations: the hypothesis of separately commutative or non-commutative rings. These notes are overwhelmingly stressed over commutative rings.

Non-commutative rings have been an object of systematic examination similarly lately, during the 20th century. Commutative rings in reality have appeared anyway in a covered way much beforehand, and similar number of theories, everything gets back to Fermat's Last Hypothesis.

In 1847, the mathematician Lam'e proclaimed an answer of Fermat's Last Hypothesis, yet Liouville saw that the evidence depended upon a stand-out breaking down into primes, which he thought was most likely not going to be substantial.

Despite the way that Cauchy reinforced Lam'e, Kummer was the individual who finally disseminated a model in 1844 to exhibit that the uniqueness of prime decays failed. Following two years, he restored the uniqueness by introducing what he called "amazing complex numbers" (today, essentially "standards") and used it to show Fermat's Keep going Hypothesis for with or without n < 100 from n = 37, 59, 67 and 74.

It is Dedekind who isolated the basic properties of "amazing numbers", described an "awesome" by its forefront properties: to be explicit that of being a subgroup which is closed under increase by any ring segment. He further introduced prime goals as a theory of indivisible numbers. Note that today in any case we use the phrasing "Dedekind rings" to depict rings which have explicitly a good lead concerning factorization of prime beliefs. In 1882, an essential paper by Dedekind and Weber developed the hypothesis of rings of polynomials.

At this stage, the two rings of polynomials and rings of numbers (rings showing up with respect to Fermat's Last Hypothesis, for instance, what we think about now the Gaussian entire numbers) were being analysed. Nevertheless, it was freely, and no one made relationship between these two subjects. Dedekind in like manner introduced the articulation "field" (K¨orper) for a commutative ring where each non-zero part has a multiplicative reverse yet "ring" is a result of Hilbert, who, roused by considering invariant hypothesis, examined beliefs in polynomial rings exhibiting his notable "Reason Hypothesis" in 1893.

It will require an extra 30 years and created by Emmy Noether and Krull to see the progression of adages for rings. Emmy Noether, around 1921, is the individual who made the basic development of bringing the two theories of rings of polynomials and rings of numbers under a lone hypothesis of dynamic commutative rings.

Maybe than commutative ring hypothesis, which created from number hypothesis, non-commutative ring hypothesis made from a considered Hamilton, who tried to summarize the awesome numbers as a two-dimensional variable based math over the reals to a three-dimensional variable based math. Hamilton, who introduced the chance of a vector space, found inspiration in 1843, when he understood that the theory was not to three estimations but instead to four estimations and that the expense to pay was to give up the commutativity of augmentation. The quaternion variable-based math, as Hamilton called it, impelled non-commutative ring hypothesis.

A ring is a set A with two parallel activities satisfying the rules given under. Regularly one double assignment is connoted '+' and called \addition," and the other is shown by juxtaposition and is called \multiplication." The principles expected of these tasks are:

1) A will be an abelian pack under the errand + (character implied 0 and opposite of x showed −x);
2) A can't avoid being a monoid under the action of increase (i.e., duplication is familiar and there is a two-sided character ordinarily connoted 1);
3) The distributive laws

$(\mathbf{x} + \mathbf{y}) \, z = \mathbf{xy} + \mathbf{xz}$

$x \, (\mathbf{y} + \mathbf{z}) = \mathbf{xy} + \mathbf{xz}$

hold for all $\mathbf{x, y,}$ and $\mathbf{z} \in A.$

Sometimes one doesn't require that a ring have a multiplicative character. The word ring may moreover be used for a system satisfying simply conditions (1) and (3) (i.e., where the helpful law for augmentation may miss the mark and for which there is no multiplicative character.) Falsehood rings are instances of non-subsidiary rings without characters. Essentially all entrancing familiar rings do have characters.

In case 1 = 0, by then the ring involves one part 0; by and large $1 \neq 0$. In various hypotheses, verify that rings under idea are not piddling, for instance that $1 \neq 0$, anyway consistently that hypothesis will not be communicated unequivocally.

In case the multiplicative action is commutative, we call the ring commutative. Commutative Variable based math is the investigation of commutative rings and related designs. It is immovably related to mathematical number hypothesis and logarithmic calculation.

If A can't avoid being a ring, a segment $x \in$ A. An is known as a unit if it has a two-sided opposite y, for instance xy = yx = 1. Clearly the reverse of a unit is moreover a unit, and it isn't hard to see that the consequence of two units is a unit. Thusly, the set U(A) of all units in A can't avoid being a get-together under duplication. (U(A) is furthermore for the most part demonstrated A*.) If each nonzero segment of A can't avoid being a unit, by then an is known as a division ring (in like manner a slant field.) A commutative division ring is known as a field.

Example
- Z is a commutative ring. U(z)= {1, -1}
- The gathering Z/nZ turns into a commutative ring where multiplication will be multiplication mod n. u(Z/nZ) comprises of all cosets I + nZ where I is moderately prime to n.
- Give F a chance to be a field, e.g., F=R or C. Give Mn(F) a chance to denote the arrangement of n-by-n matrices with passages in F. Include matrices by including comparing sections. Increase matrices by the typical guideline for grid multiplication. The outcome is a non- commutative ring. U(Mn(F)) =Gl (n, F) = the gathering of invertible n by n matrices.
- Give M a chance to be any abelian gathering, and let End(M) indicate the arrangement of endomorphisms of M into itself. For, f, g $\in$ End(M) characterize addition by (f+g) (m)=f(m)+g(m) and characterize multiplication as creation of function.

    If A can't avoid being a ring, a subset B of an is known as a subring in case it is a subgroup under expansion, shut under augmentation, and contains the character. (If an or B doesn't have a character, the third need would be dropped.)

Examples
➢ Z does not have any legitimate subrings.
➢ The arrangement of every single slanting grid is a subring of Mn(F).
➢ The arrangement of all n-by-n matrices which are zero in the last line and l the last segment is shut under multiplication and addition, and in truth it is a ring in its own right. However, its anything but a subring since its personality does not concur with character of the overring.

A function f: A→B where An and B are rings is known as a homomorphism of rings in the event that it is a homomorphism of additive gatherings, it jams items: f(x)f(y) for every one of the x, y $\in$ A, lastly it protects the character: f (1) =1.

EXAMPLE: the canonical epimorphism Z→Z/nZ is a ring homomorphism. Be that as it may, the consideration of Mn-1(F) in Mn(F) as recommended in example above isn't a ring homomorphism.

A sunset an is known as a left perfect of an on the off chance that it is an additive subgroup and in addition ax $\in$ a at whatever point a $\in$ A and x$\in$ a. if we require rather that xa $\in$ a, then a is known as a correct perfect. At last, a is known as a two sided perfect in the event that it is both a left perfect and correct perfect. Obviously, for a commutative ring every one of these ideas are the equivalent.

II. BASIC NOTIONS

A ring is characterized as a non-void set R with two organization +. R*R→R with the properties:
1) (R, +) is an abelian group (zero component 0);
2) (R,.) is a semigroup;
3) For every one of the a, b, c $\in$ R the distributivity law are substantial: (a+b) c=ac+bc, a(b+c) =ab+ac.

The ring R is called commutative if (R,.) is a commutative semigroup, for example on the off chance that ab=ba for every one of the a, b $\in$ R in the event that the piece isn't really affiliated we will discuss a non- cooperative ring.

A component e $\in$ R is a left unit if ea=a for every one of the a $\in$ R. Similarly, a right unit is characterized. A component which is both a left and right unit is called a unit of R.

In the continuation R will dependably signify a ring. In this area we won't by and large interest the presence of a unit in R however accept R not equal to {0}.

III. RINGS, IDEALS AND HOMOMORPHISMS

1) *Definition 1.* A ring R is an abelian pack with a duplication task (a, b)□ab which is associated, and satisfies the distributive laws

a(b+c) =ab+ac
(a+b) c = ac+bc

There is a social occasion structure with the expansion task, anyway not actually with the duplication movement. As such a part of a ring could possibly be invertible with respect to the augmentation task. Here is the phrasing used.

2) *Defination 2.* Let a, b be in a ring R. in case an isn't equivalent to 0 and b isn't equivalent to 0 anyway ab=0, by then we express that an and b are zero divisors. In case ab=ba=1, we say that a can't avoid being a unit or that an its invertible.

While the extension development is commutative, it might or not be the condition with the increase task.

3) *Definition 3.* Allow R an opportunity to ring. If ab=ba for any a, b in R, by then R is supposed to be commutative.

Here are the implications of two unequivocal sorts of rings where the duplication

4) *Definiation 4.* A fundamental space is a commutative ring with no zero divisor. A division ring or slant field is a ring where each non zero part a has an opposite a

Permit us a chance to give two additional definitions and along these lines we will a few models.

5) *Definition 5.* The typical for a ring R, demonstrated by char#, is the littlest positive entire number with the ultimate objective that

n.1=1+1+1+… … ...+1=0

We can in like way eliminate more modest rings from a given ring.

6) *Definiation 6.* Let R.S alone two ring. An aide f: R$\square$S satisfying

- f(a+b) = f(a)+f(b)
- f(ab) = f(a)f(b)
- f(1R)=1S

for a, b G R is called ring homomorphism.

The chance of "dazzling number" was introduced by the mathematician Kummer, like some superb "numbers" (indeed, nowadays we call them social gatherings) having the property of huge factorization, paying little heed to when considered over more broad rings than Z (a hint of arithmetical number hypothesis would be momentous to make this immovably precise). Today the name "staggering" is left, and here is what it gives in current communicating:

7) *Definition 7.* Allow I an opportunity to be a subset of a ring R. By then an added substance subgroup of R having the property that

ra I for an I, R

is known as a left amazing of R. In case rather we have

ra I for an I, R

We express that we have a right amazing of R. If an ideal turns out to be both an advantage and a left awesome, at the point we think of it as a two sided amazing of #, or fundamental an ideal R.

Clearly, for any ring #, both R and {0} are goals. We consequently familiarize some phrasing with careful whether we consider these two immaterial goals.

8) *Defintion 8.* We express that an ideal I or R is genuine on the off chance that I ≠ R. We express that is it non-insignificant in the event that I ≠ R and I ≠ 0.

In case f: R$\square$ S is a ring homomorphism; we describe the piece of f in the most typical manner:

Ker f = {r R, f® =0}

Since a ring homomorphism is specifically a gathering homomorphism, we definitely realize that f is injective if and just if

Ker f = {0}. It is simple to watch that ker f is a legitimate two sided perfect:

Ker f is an additive subgroup of R.

Take a ker f and r R. then

F(ra) = f(r) f(a) =0 and f (ar) = f(a) f (r0 =0 appearing ra and ar are in ker f.

Then ker f has to be proper, since by definition. F (1) = 1

IV.   QUOTIENT RINGS

Leave I alone an appropriate two-sided ideal of R. Since I is an added substance subgroup of R by definition, it's a good idea to talk about cosets r+I of I, R. Moreover, a ring has a construction of abelian bunch for expansion, so I fulfill the meaning of an ordinary subgroup. From bunch hypothesis, we in this way realize that it's a good idea to talk about the remainder bunch R/I = {r+I, r R}, bunch which is really abelian (acquired from R being an abelian bunch for the expansion).

We presently supply R/I with an increase activity as follows. Characterize (r + I) (s + I) = rs + I.

Allow us to ensure that this is obvious, to be specific that it doesn't rely upon the decision of the delegate in each coset. Assume that

R + I = r' I, s + I = s' + I,

So that **a=r' - r I** and **b = s' – s I.** Presently

R's' = (a + r) (b + s) = abdominal muscle **+ as + rb + rs + I**

Since ab.as and rb has a place with I utilizing that a, b I and the meaning of great.

This discloses to us r's' is additionally in the storage room rs +I and accordingly increase doesn't rely upon the selection of delegates. Not imagined that this is genuine simply because we accepted a two-sided ideal I, else we were unable to have closed, since we need to conclude that both as and rb are in I.

Definition 9. The set of cosets of the two sided ideal I given by

R/I = {r +I, r ∈R} is a ring with identity 1r +I and zero element 0r +I is called quotient ting.

Note that we need the assumption that I is a proper ideal of R to claim that R/I contains both an identity and a zero element (if R=I, then R/I has only one element.)

EXAMPLE: consider the ring of matricesM2(F2), where F2 denotes the integers modulo 2. And I is such that i^2 =-1 =1 mod 2. This is thus the ring of 2*2 matrices with coefficients in

F2 = (a+b), a, b ∈{0,1}}.

Let I be the subset of matrices with coefficient taking values 0 and 1+I only.

It is two sided ideal of M2(F2(i)). Indeed, take a matrix U∈I, a matrix M∈ M2(F2(i)) and computer UM and MU. An immediate computation shows that all coefficients are of the form e(1+i) with a ∈ F2(i), that is all coefficients are in (0,1+i). Clearly, I is an additive group.

We then have a quotient ring

M2(F2(i))/I.

We have seen that Ker/ is a proper ideal when / is a ring homomorphism.

We now prove the converse.

Proposition – every proper ideal I is the kernel of a ring homomorphism.

Proof – consider the canonical projection 7r that we know from group theory.

We already know that pie is a group homomorphism, and that its kernel is I. we are only left to prove the pie is ring homomorphism.

V.   RING THEORY IN THE SEGMENTATION OF DIGITAL IMAGES

Various frameworks and calculations have been proposed for advanced picture division. Standard division, for instance, thresholding, histograms or other conventional tasks are resolute procedures. Robotization of these old-style approximations is irksome due to the flightiness alive and well and variability inside each individual article in the image.

The mean move is a non-parametric strategy that has displayed to be an entirely versatile gadget for feature examination. It can offer trustworthy responses for some PC vision tasks. Mean move strategy was proposed in 1975 by Fukunaga and Hostetler. It was by and large disregarded until Cheng's paper retook energy on it. Division by strategies for the Mean Shift Strategy does as an underlying stage a smoothing channel before division is performed.

Entropy is a basic function in data theory and this has had a unique use for images information, like restoring images, recognizing shapes, fragmenting images and numerous different applications. In any case, in the field of images the scope of properties of this function could be expanded if the images are characterized in Zn rings.

The incorporation of the ring theory to the spatial examination is accomplished considering images as a grid in which the components have a place with the cyclic ring. Zn from this perspective, the images present patterned properties related to dim dimension esteems.

Ring theory has been well- utilized in cryptography and numerous others PC vision errands. The consideration of ring theory to the spatial examination of digital images, it is accomplished considering the picture like a grid in which the components have a place with limited cyclic ring Zn. The ring theory form the mean shift iterative algorithm was utilized by characterizing images in a ring Zn. A great exclusion of this algorithm was accomplished. Consequently, the utilization of the ring theory could be decent structure when one want to look at images, because of that the digital images present recurrent properties related with the pixel esteems. This property will permit to increment or to lessen the distinction among pixels esteems, and will make conceivable to discover the edges in the broke down images.

In this paper, another likeness record among pictures is portrayed, and some captivating properties subject to this rundown are proposed. We consider also the instability of the iterative mean move calculation by using this new stopping premise. In addition, we make an extension, and we broaden the theoretical points by concentrating all around the rehashing properties of rings associated with pictures. Thus, a couple of issues are pointed out underneath:

A. *Update Of The Mean Move Hypothesis*
1) Impotent components of the ring are given: nonpartisan, unitary, and inverse. Specifically, the inverse component was utilized such a great amount to the hypothetical proofs just as down to earth viewpoints.
2) Explanation of solid identical images by utilizing histograms.
3) Definition of identicalness classes.
4) Quotient space. Definition and presence.
5) Natural Entropy Distance (NED) definition.

B. *Domains*
 x, y $\in$ A an is known as a space on the off chance that it is commutative and for, xy=0 suggests x=0 or y=0.

Examples
1) Any field is obviously an area.
2) Z is an area.
3) The arrangement of every single complex number of the structure a + bi with a, b$\in$ z is an area since it is a subring of the field C. this ring is known as the ring of gaussian whole numbers and it is indicated z[i].
4) Note that Mn(F) has heaps of zero divisors. Any immediate result of rings will likewise have bunches of zero divisors: duplicate components non-zero in various segments.

Unmistakably, any subring of the field is a space. On the other hand, any space can be imbedded as a subring of a field as pursues. Give E a chance to be the arrangement of set (a, b) where a, b$\in$ A and b≠0. Define a connection on E by (a, b) (c, d) if and just if advertisement =b, c. It isn't hard to watch this is a proportionality connection. Let Q indicate the arrangement of proportionally classes of this connection. Indicate the identicalness class of (a, b) by a/b. characterize operations on Q by

a/b+c/d = (ad+ b, c) /bd

what more,

(a/b) (c/d) =(ac)/(bd).

A few dull however routine contentions demonstrate that these operations are all around characterized and that Q with these operations is a ring. The 0 component is 0/1, and the personality is 1/1. Every nonzero component of Q is a unit; actually (a/b) (b/a) = 1/1 for any nonzero an and b in A. thus, Q is a field.

The above development inserts a ring isomorphic to An out of a field which isn't actually what was guaranteed. Be that as it may, it is anything but difficult to utilize this development to imbed an itself in a field. Specifically, let Q be the associated of An and the supplement of i(A) in Q. define operations on Q in the conspicuous way. That is, when an operand or the consequence of a task in Q happens to be in i(A), simply utilize the relating component of A rather, Q will at that point be a field isomorphic to Q and it will contain A.

It is more to the point, notwithstanding, to consider when all is said in done ring monomorphisms j: A→P where P is a field with the end goal that each component of P can be composed. we have showed the presence of one such monomorphism. On the off chance that j: A→ P and j': A→P' are two such then it is anything but difficult to see that h:P→P' characterized by is very much characterized and a ring isomorphism. Also, it makes the graph beneath drive

At last, if the graph drives, I.e., at the point h is unmistakably a similar homomorphism as characterized previously. Henceforth, the isomorphism h is one of a kind given that the above graph drives.

We think about such a field P a remainder field or field of divisions of An, and it is stand- out up to exceptional isomorphism in the sense depicted already. As referred to previously, we can in sureness expect J is a genuine thought.

At last, if the graph drives, I.e., at that point h is unmistakably a similar homomorphism as characterized previously. Henceforth, the isomorphism h is one of a kind given that the above graph drives.

We think about such a field P (even more viably, the monomorphism j) a remainder field or field of divisions of An, and it is stand- out up to exceptional isomorphism in the sense depicted already. As referred to previously, we can in sureness expect j is a genuine thought.

One can sum up the above development by considering just combines (a,s) where s is confined to any proper subset of A. for example, the field of portions of Z is the field Q of sound numbers. In any case, we should seriously mull over the subring of Q of all portions with denominators generally prime to some fixed whole number. This structure a ring called a confinement.

VI. CONCLUSION

Ring hypothesis is ordinarily seen as a subject of pure mathematics. This infers it is a subject of characteristic grandness. Regardless, the chance of a ring is key to the point that it is moreover urgent in various usages of Arithmetic. Unmistakably it is central to the point that a ton of other fundamental contraptions of Applied Arithmetic are worked from it. For instance, the crucial thought of linearity, and straight polynomial math, which is a rational need in Material science, Science, Science, Money, Financial matters, Designing, and so on, depends on the prospect of a vector space, which is a one of a kind of ring module. Ring hypothesis appears to have been among the most adored subjects of unquestionably the most convincing Researchers of the 20th century, for instance, Emmy Noether; and Alfred Goldie. Regardless, perhaps more fundamental than any of these centres is that ring hypothesis is a highlight of the subject of Variable based math, which outlines the language inside which present day Science can be put on its firmest possible equilibrium.

REFERENCES

[1] Berkoff, G. and Mac Lane, S. (1996). A Survey of Modern Algebra, 5th ed. New York: Macmillan

[2] Bronstein, I. N. and Semendyayev, K. A. (2004). Handbook of Mathematics, 4th ed. New York: Springer-Verlag, 2004. ISBN 3-540-43491-7

[3] D. Comaneci, P. Meer (1974). "Mean Shift: A Robust Approach toward Feature Space Analysis", IEEE Trans. on Pattern Analysis and Machine Intelligence Ph. D. Thesis, New York University, 24 (5).

[4] D. Dominguez and R. Rodriguez (2011). "Convergence of the Mean Shift using the Infinity Norm in Image Segmentation", International Journal of Pattern Recognition Research, 1, pp. 3-4.

[5] D. I. Comaneci (2000). "Nonparametric Robust Method for Computer Vision", Ph. D. Thesis, Rutgers, The State University of New Jersey.

[6] Faith, Carl (1999). Rings and things and a fine array of twentieth century associative algebra. Mathematical Surveys and Monographs, 65. American Mathematical Society, Providence, RI, 1999. xxxiv+422 pp. ISBN 0-8218-0993-8

[7] Huynh, D.V., Wisbauer, R. (2000). A characterization of locally Artinian modules, Algebra 132, pp. 287-293.

[8] K. Fukunaga and L. D. Hostetler (1975). "The Estimation of the Gradient of a Density Function", IEEE Trans. on Information Theory, IT-21(1) pp. 32-40.

[9] Lang, Serge (2002). Algebra, Graduate Texts in Mathematics, 211 (Revised third ed.), New York: Springer-Verlag, ISBN 978-0-387-95385-4, MR1878556

[10] Lang, Serge (2005). Undergraduate Algebra (3rd ed.), Berlin, New York: Springer-Verlag, ISBN 978-0-387-22025-3.

[11] Pinter-Lucke, James (2007). "Commutativity conditions for rings: 1950–2005", Expositions Mathematics **25** (2): pp. 165–174, do: 10.1016/j.exmath.2006.07.001, ISSN 0723-0869

[12] R. Rodriguez, E. Torres, and J. H. Sosa (2011). "Image Segmentation based on an Iterative Computation of the Mean Shift Filtering for different values of window sizes", International Journal of Imaging and Robotics, 6.

[13] S. Luther and I. B. S. Passi (2004). Algebra, Vol. 1-4, Narosa, 1997-2004.

[14] T. Grenier, C. Revol-Muller, F. Davignon, and G. Gimenez (2006). "Hybrid Approach for Multiparametric Mean Shift Filtering", IEEE Image Processing, International Conference, Atlanta, GA, 17(8) pp. 8-11.

[15] Wisbauer. (2002). Local-global results for modules over algebras and Azumaya rings, Algebra 135, pp. 440–455.

[16] Wisbauer, R. (2004). On modules with the Kulikov property and pure semi simple modules and rings, Pure Polyalgebra 70, pp. 315-320.

[17] Wisbauer. (2001). Semi simple and pure semi simple functor rings, Common Algebra 18, pp. 2343-2354.

[18] Wright, M.H. (2005). Certain uniform modules over serial rings are uniserial, Comm.Algebra 17, pp. 441-469.

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