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Implementation of Shakiness Inflection of Rough Variance using Surface Fractal on Double-branch-taction Locality in Single-Syllable

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Abstract

In speech sound technology, single-syllable plays an important role in speaking a language. Single-syllable seeks to investigate the fractal surface, one of the basic units that make up a series of words. In syllable-timed, a certain amount of surface fractal was verified for continuous bleed conversion by examining the reflex-angle spark-rough status. The scattered signal generated by the single-syllable showed a gleam-inequality awakening level (GIAL) for a few seconds on the fractal surface and confirmed the formation of several identical bleed perception lineaments. The configuration of spark-rough at the awakening level identified the phenomenon conditions of the gleam quadrilateral-dot using various single-syllable techniques. The degree of scattering of monosyllabic words was determined by varying the number of square-shaped dots at each level. The maximum average value formed in the spark-rough state was considered the result of the rapidly converted output in GIAL. The bleed quadrilateral-dot in the rough state has a far-variance value of Bl-AL-FA-ΘMAX-AVG of 4.22±(-1.62) units. The convenient-variance value of Bl-AL-CO-ΘMAX-AVG in bleed quadrilateral-dot is 0.51±(-0.05). The flank variance value of Bl-AL-BL-ΘMAX-AVG in bleed quadrilateral-dot is 2.80±0.74. The vicinage-variance value of Bl-AL-VI-ΘMAX-AVG in bleed quadrilateral-dot is 0.09±(-0.03). GIAL formed in a spark-rough state expanded the awakening level to form short sentences-dots. It can be inferred that spark lineaments forming short sentences can be made into bleed awakening lineaments in square form. Changes to various syllable-timed single-syllable techniques create unbalanced abilities between single-syllables required depending on the level of awakening and confirm GIAL. Through this method, it was possible to characterize bleed awakening lineaments in a single-syllable and paved the way for spark-rough to be used as a reference data.

Keywords: *Bleed Awakening Level, Bleed Awakening Lineament, Spark Awakening System, Spark Rough*

INTRODUCTION

A single-syllable is composed of onomatopoeia and onomatopoeia in vowel form and is indicated by the number of syllables. A single-syllable is a serial unit composed of a nucleus, initial and final consonants, and based on a phonetic sound. A single-syllable has a phonological component between words [1]. A single-syllable composed of linguistic forms has a structure each expressed in rhythm, meter, poetic meter, and stress patterns. The range of the effect of single-syllable is expressed in the number of syllables due to the establishment of onomatopoeia with only one syllable and the independence of onomatopoeia with only one syllable [2]. Monosyllabic onomatopoeia and onomatopoeia are morphological characteristics of phonemes, and starting consonants and consonant clusters play an essential role in language composition. The division of prosody in a language is the step of contrasting the beginning in one branch into a core and a coda. Vowels and single-syllable consonants are essential elements of most languages. Korean is a phonetic composition with monosyllabic onomatopoeia and onomatopoeia. The morphological feature of the Korean language is that there are many onomatopoeias composed of single-syllable words that are independent, and this is an important part of distinguishing between onomatopoeia and mimetic words. To analyze onomatopoeia and the form of onomatopoeia, use the number of one-syllable words or two or more syllables. The use of two or more syllables here is to indicate the focus of onomatopoeia and mimetic words.

Chinese is traditionally modeled as a single-syllable structure, with the initial consonant and semi-vowel at the beginning and a traditional vowel called the middle part, and to replace this, it is grouped into four parts to form other parts [3]. Chinese extends the single-syllable structure to include a middle part called the initial consonant and additional optional parts located between rhymes in the middle part. Chinese has a sliding phonological function that reorganizes, resulting in a semi-vowel form in the single-syllable model. The model

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for reconstruction includes phonology, and a characteristic of Chinese is that it combines sounds by grouping them by rhyme sounds rather than start sounds [4]. Components of a single-syllable structure are expressed in a phonological tree diagram and used for grouping. The format of the tree diagram represents single-syllable components ranging from linear relationships to hierarchical relationships. The hierarchical model allows us to distinguish between heavy and light single-syllables by their role in performing core and coda components in syntax and their changing role in phonological processes. The hierarchical model rhymed and grouped single-syllable cores and codas at intermediate levels. Depending on the syllable, the sound undergoes a process of high vowel deletion (HVD) into the single-syllable and middle single-syllable roots of the accusative plural form [5]. A typical model of single-syllable is the single-syllable structure, which subdivides and groups collection-like structures into prototypical configurations. The collection-like structure is used as a structural basis for predicting parameters and forms the context for characterizing them in syllable-timed. The vowel form that makes up short sentences of single-syllable words is composed by arranging one word and structuring the surface fractal to form a surface fractal, activating resolution through mathematical expression on this single-syllable surface [6] .

The bleed variance technique, which distinguishes-lineaments in single-syllables, awakens reflection angles in syllable-timed structures and allows single-syllable structures to bleed variance. Identification by awakening the reflection angle the quadrilateral-dot represents the bleed value of the identification level by structuring the diffraction surface and integrates the bleed value of the quadrilateral-dot in the spark upper structure that constitutes the diffraction surface. Rough spark single-syllable is a single-syllable structure recognized as a bleed awakening single-syllable system and is configured to present an awakening level. This mixes the bleed awakening single-syllable system with the ability of spark lineaments to ignite a single line in short sentences.

THEORY

Bleed Awakening Lineament

Bleed awakening lineament (Bl-AL) is distinguishes-lineaments in single-syllables defined on the rough to harsh conveyance technique valued upper layer quadrilateral-dot. Bl-AL with continuous bleed conversion was verified Overall Rough Level (ORL), Far-Convenient Rough Level (FCRL) and Flank-Vicinage Rough Level (FVRL). These levels are on a syllable-timed to assess the path of phase vicinage standard deviations the side layer in degrees and the main-quadrilateral-dot are to be immixture. Bl-AL rough level scores by certain amount of surface fractal on a syllable-timed receive the integrate dislocation in far-convenient (FC) and flank-vicinage (FV) for reflex-angle structuralize signal. The horizontal dislocations on the fractal surface confirmed along Bl-FC-axes at x-direction and from vertical along Bl-FV-axes at y-direction were assessed as Bl-AL-FC and Bl-AL-FV respectively. FVRL of the received structuralize signal can immixture as I and Q is the current the far-convenient and flank-vicinage both amplitude and phase on the fractal surface confirmed Bl-AL-FV and Bl-AL-FC. Bl-FC on the Bl-AL is the modulated carrier of far-convenient, Bl-FV on the Bl-AL is the modulated carrier of flank-vicinage, $\Delta P_{Bl\text{-}AL}$ on the Bl-AL received structuralize signal of the amplitude and phase at the fractal surface the $I_{Bl\text{-}FC}$ and $Q_{Bl\text{-}FV}$ [7,8] (1,2). In Equation (1,2) on the absolute value Δ_γ is assess as the $\Delta P_{Bl\text{-}AL\text{-}FC}$ and $\Delta P_{Bl\text{-}AL\text{-}FV}$.

$$\Delta P_{Bl-KF} = \frac{I_{Bl-FC}^2 + Q_{Bl-FV}^2}{Z_0},\ \Theta = \arctan\frac{Q_{Bl-FV}}{I_{Bl-FC}} \quad (1)$$

$$|\Delta_\gamma| = \sqrt{I_{Bl-FC}^2 + Q_{Bl-FV}^2} = \sqrt{\Delta P_{Bl-FV-FC} + Z_0} \quad (2)$$

The input impedance of the receiver is Z_0. The indirectly immixture at Δ_γ redenoted upper layer quadrilateral-dot score data, is concerned coefficient Bl-AL-FC and Bl-AL-FV to the differential reflection, can thus be found as (3):

$$\angle(\Delta_\gamma) = \arctan\frac{Q_{Bl-FV}}{I_{Bl-FC}} = \Theta \quad (3)$$

The formation of several identical bleed perception lineaments confirmed the inspection setting. The communication range between bleed layer pin includes their system to comprise of the properly retain by the monitoring [9].

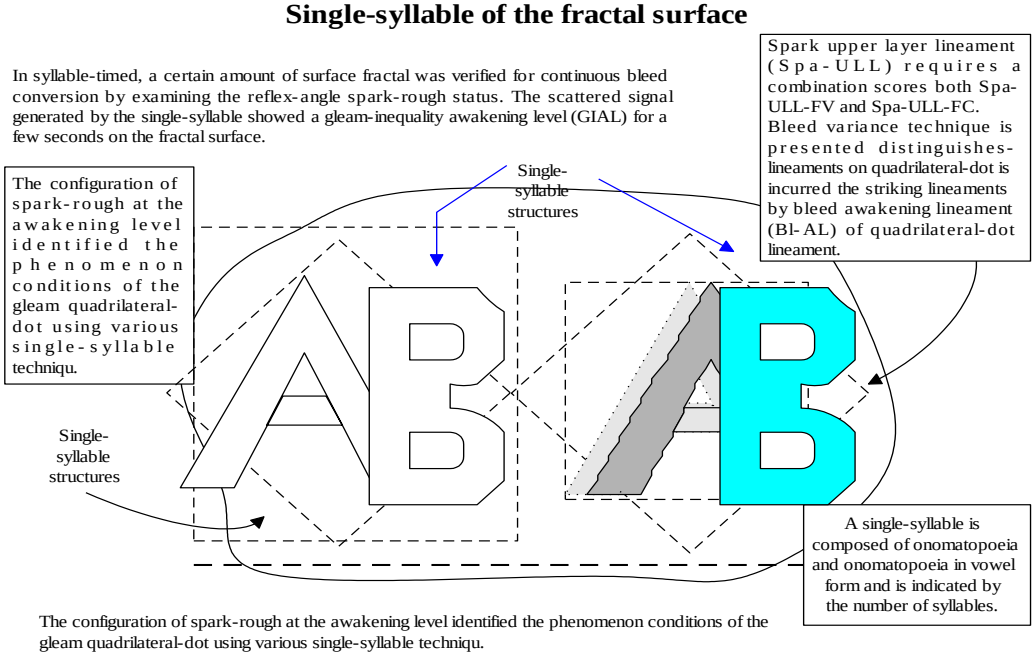

Fig. 1. Gleam-inequality lineament is constituted bleed awakening location on the single-syllable.

2.2 Spark upper layer lineament (Spa-ULL)

Spark upper layer lineament (Spa-ULL) requires a combination scores both Spa-ULL-FV and Spa-ULL-FC. The Spa-ULL-value on absolute Ω-Bl-AL values is reckoned more sensitive to FV-FC and Ω-Bl-AL level variances. The Ω-Bl-AL based on the Spa-ULL rough the wide inequality propagation shape (4) to utilize the Spa-ULL-FC and Spa-ULL-FV:

$$\Omega\text{-Bl-AL(r)[n.u.]} = \Omega\text{-}_{\text{Spa-ULL-FC}}\ \Omega\ /r^{\Omega\text{-Spa-ULL-FV}} \equiv \Omega\text{-Bl-AL(r)[dB]} = 20\log10(\Omega\text{-}_{\text{Spa-ULL-FV}}) - \Omega\text{-}_{\text{Spa-ULL-FC}} 20\log10(r) \quad (4)$$

Spa-ULL of 'r' is the range or distance. Coefficient of $\Omega\text{-}_{\text{Spa-ULL-FV}}$ and $\Omega\text{-}_{\text{Spa-ULL-FC}}$ is assessed on set of between main-quadrilateral-dot and side-quadrilateral-dot by a non-multi regression to minimize the root mean square (RMS). Expressed rate of Ω-Bl-AL(r) is already multi with regard to $\Omega\text{-}_{\text{Spa-ULL-FV}}$ and $\Omega\text{-}_{\text{Spa-ULL-FC}}$ [10,11].

Gleam-Inequality Upper Layer Level (GIULL)

Bleed variance technique is presented distinguishes-lineaments on quadrilateral-dot is incurred the striking lineaments by bleed awakening lineament (Bl-AL) of quadrilateral-dot lineament. Upper layer quadrilateral-dot activity at gleam-inequality upper layer level (GIULL) is integrated the reflex-angle restructured in single-syllables (Figure 1). Spark-rough quadrilateral-dot level (Spa-RQDL) is result to influence by the parameter of GIULL. Bl-AL in gleam-inequality activity is the bleed rough structuralize to constituted of the exercise [12,13].

Bleed Awakening Lineament System (Bl-ALS)

Bl-AL system is to rough the reflex-angle form in formation of several identical bleed perception lineaments to confirm the quadrilateral-dot by the bleed awakening lineament system (Bl-ALS). Denote upper layer quadrilateral-dot techniques (ULQDT) is to rough the reflex-angle spark level of Bl-AL for similar to bear down spark-rough. Reflex-angle spark-rough in the spark upper layer is to integrate by quadrilateral-dot lineament (Spa-ULQDL). Spark quadrilateral-dot lineament by the bleed layer (Bl-L) tool is leaded the

quadrilateral-dot of identification by awakening the reflection angle. The bleed value of the identification level represented at quadrilateral-dot. Bl-ALS in spark quadrilateral-dot lineament (Spa-FCF) is leaded for the quadrilateral-dot to arithmetic striking lineaments of output parameters to immixture by bleed structuralized (Bl-S). Spark-rough lineament (Spa-RL) by Bl-AL is to rough in the Bl-ALS to immixture by output parameters of the spark awakening level (Spa-AL). Bl-RF on the ULQDT of Bl-AL was assessed to upper layer spark-rough techniques (Spa-RT) of vicinage direction by upper of layer (UOL). Spark awakening level lineament (Spa-ALL) on the ULQDT of Bl-AL is procured spark signal on layer structuralized mechanisms. Bleed gleam-inequality level (Bl-GIL) on Spa-ALL is found to present distinguishes-lineaments in single-syllables at the spark awakening and the spark lineament. Spark awakening lineament (Spa-AL) of Spa-ALL is denote to spark signal [14,15] (Figure 2).

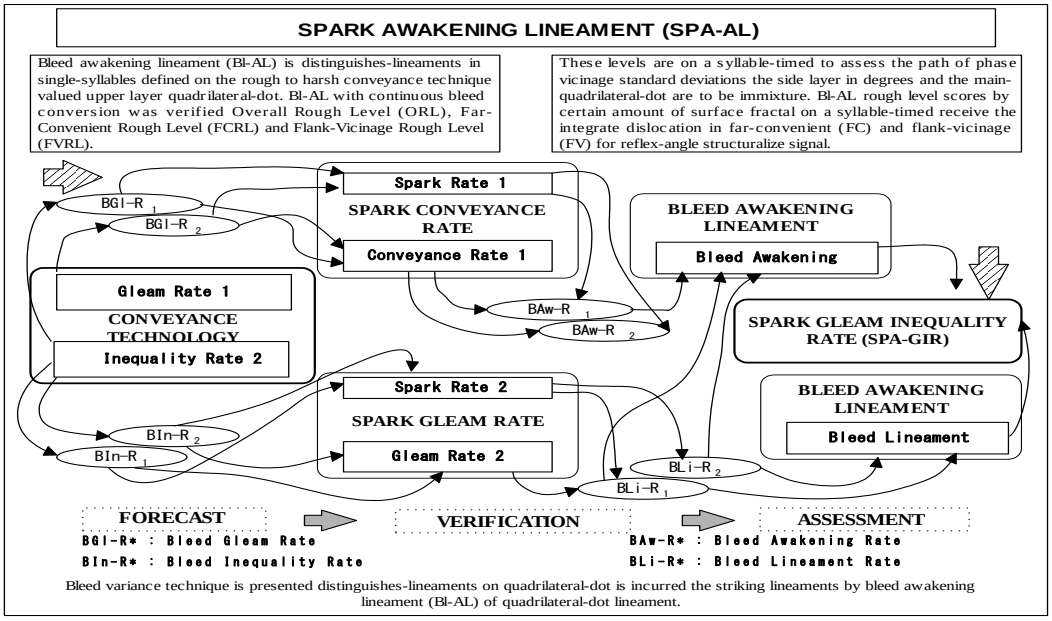

Fig. 2. Spark awakening lineament is system block of by gleam-inequality level on the bleed variance technique.

RESULTS AND DISCUSSION

Properties Of the Sequence Selection

Bl-AL-lineament inspection of surface fractal is created to Bl-AL-Θ_{AVG}, Bl-AL-$\Theta_{MAX\text{-}AVG}$ and Bl-AL-$\Theta_{AVG\text{-}MIN}$ database to which define the build up the bleed lineaments rough lineament (Bl-LRL) by the Bl-AL activity (Table 1). Bleed lineaments rough lineament data are to utilize of Matlab6.1 for the calculations.

Table 1. Bleed dot lineament (Bl-DL) average: the far BL-GIAL (Bl-AL-FA$\Theta_{MAX\text{-}AVG}$), convenient BL-GIAL (Bl-AL-CO$\Theta_{MAX\text{-}AVG}$), flank BL-GIAL (Bl-AL-FL$\Theta_{MAX\text{-}AVG}$) and vicinage BL-GIAL (Bl-AL-VI$\Theta_{MAX\text{-}AVG}$) condition. Average of Bl-AL-$\Theta_{MAX\text{-}AVG}$ and Bl-AL-$\Theta_{AVG\text{-}MIN}$.

Average Θ	FA Θ Avg-BL-GIAL	CO Θ Avg-BL-GIAL	FL Θ Avg-BL-GIAL	VI Θ Avg-BL-GIAL
Bl-AL-$\Theta_{MAX\text{-}AVG}$	4.22±(-1.62)	1.25±(-0.47)	0.51±(-0.05)	0.09±(-0.03)
Bl-AL-$\Theta_{AVG\text{-}MIN}$	4.06±2.32	1.15±0.78	0.47±0.25	0.08±0.04

Improvements Of Multiple Sequence Selections

Bleed awakening lineament (Bl-AL) on rough technique (RT) condition is verified to reflex-angle spark-rough status of the rough status of gleam-inequality level (GIL). ET on Bl-AL-lineament is to bleed gleam-inequality level (Bl-GIL) to rough the reflex-angle objects. BT on Bl-AL-lineament is to retain the equivalent things of quadrilateral-dot. Bleed awakening lineament system (Bl-ALS) is result gleam-inequality awakening level

(GIAL) to verify for the lineaments in accordance to parameter. The inspection in spark awakening lineament activity (Spa-ALA) is leaded brilliantly to variance of GIAL, is denoted with continuous bleed conversion.

Bl-GIAL Of Comparison Database on The Bl-AL-Θ_{AVG} And Bl-AL-$\Theta_{MAX\text{-}MIN}$ And Bl-AL-$\Theta_{MED\text{-}MIN}$:

Bleed awakening lineament (Bl-AL) on far (FA-Θ) condition is to denote reflex-angle a bleed gleam-inequality awakening level (Bl-GIAL) value; Bl-AL-FA-$\Theta_{MAX\text{-}MIN}$, Bl-AL-FA-Θ_{AVG} and Bl-AL-FA-$\Theta_{MED\text{-}MIN}$ (Figure 3). Extends as single-syllable structures bleed of the Bl-AL-FA-Θ_{AVG} is large to the dot-flank-vicinage (DFV) direction in the Bl-ALS. Bl-AL activity of far Bl-GIAL in the Bl-ALS is the small bleed to differential between the Bl-AL-FA-Θ_{AVG} and Bl-AL-FA-$\Theta_{MED\text{-}MIN}$ with same direction. Allowed distinguishes lineaments of single-syllable on Bl-AL activity of far Bl-GIAL is verified of very large bleed at 11.96±4.07 unit with Bl-AL-FA-Θ_{AVG} of the bleed dot lineament (Bl-DG). Far Bl-GIAL of Bl-AL activity in the Bl-ALS is verified of some large bleed at 8.28±0.69 unit with Bl-AL-FA-$\Theta_{MAX\text{-}MIN}$. Modeled in a single-syllable structure of bleed dot lineament (Bl-DG) activity in the far Bl-GIAL is found to come about bleed of influence is come about the flank-vicinage (FV) direction in the Bl-ALS. Bleed of Bl-AL activity is verified of some large bleed at 4.26±1.15 unit with Bl-AL-FA-$\Theta_{MED\text{-}MIN}$. Spark phenomenon of the far Bl-GIAL by the spark dot is leaded denote to structuralize the Bl-ALS in the Bl-AL activity direction.

Bleed awakening lineament (Bl-AL) of convenient (CO-Θ) condition is to denote reflex-angle a bleed gleam-inequality awakening level (Bl-GIAL) value; Bl-AL-CO-Θ_{AVG}, Bl-AL-CO-Θ_{AVG} and Bl-AL-CO-$\Theta_{MED\text{-}MIN}$ (Figure 3). Extends as single-syllable structures Bl-AL activity of convenient Bl-GIAL is the some bleed to differential between Bl-AL-CO-Θ_{AVG} and Bl-AL-CO-Θ_{AVG} with same direction in the Bl-ALS. Bl-AL activity of convenient Bl-GIAL in the Bl-ALS is to be verified of a small bleed at Bl-AL-CO-$\Theta_{MED\text{-}MIN}$ of the bleed dot lineament (Bl-DG) on the FV direction. Allowed distinguishes lineaments of single-syllable on Bl-AL activity of convenient Bl-GIAL is verified of some large bleed at 5.84±1.18 unit with Bl-AL-CO-Θ_{AVG} of the bleed dot lineament (Bl-DG). Convenient Bl-GIAL of Bl-AL activity in the Bl-ALS is verified of large at 2.41±0.31 unit with Bl-AL-CO-$\Theta_{MAX\text{-}MIN}$ on the FC direction. Bleed dot lineament (Bl-DG) activity in the convenient Bl-GIAL is found to come about bleed of the same direction in the Bl-ALS. Modeled in a single-syllable structure of bleed activity of a convenient rough is a minute role. Bleed of Bl-AL activity is verified of small bleed at 1.35±0.22 unit with Bl-AL-CO-$\Theta_{MED\text{-}MIN}$ on the FC direction. Convenient Bl-GIAL in Bl-AL activity direction is verified of to structuralize a very more variance of spark rough for far Bl-GIAL.

Bleed awakening lineament (Bl-AL) of flank (BL-Θ) condition is to denote reflex-angle bleed gleam-inequality awakening level (Bl-GIAL) value; Bl-AL-BL-Ω_{AVG}, Bl-AL-BL-Θ_{AVG} and Bl-AL-BL-$\Theta_{MED\text{-}MIN}$ (Figure 3). Extends as single-syllable structures Bl-AL activity of flank Bl-GIAL is verified of small bleed at Bl-AL-BL-Θ_{AVG} and Bl-AL-BL-Θ_{AVG} of the bleed dot lineament (Bl-DG) on the DFV direction in the Bl-ALS. Bleed value of Bl-AL-BL-$\Theta_{MED\text{-}MIN}$ in the Bl-ALS is to very small DFV direction. Allowed distinguishes lineaments of single-syllable on Bl-AL activity of flank Bl-GIAL is verified of small bleed at 1.91±0.54 unit with Bl-AL-BL-Θ_{AVG} of the bleed dot lineament (Bl-DG). Flank Bl-GIAL of Bl-AL activity in the Bl-ALS is verified of small at 0.99±0.2 unit with Bl-AL-BL-$\Theta_{MAX\text{-}MIN}$ on the FC direction. Modeled in a single-syllable structure of bleed activity dot lineament (Bl-DG) in the flank Bl-GIAL is found to come about bleed of the same direction in the Bl-ALS. Bleed of Bl-AL activity is verified of very small bleed at 0.57±0.42 unit with Bl-AL-BL-$\Theta_{MED\text{-}MIN}$. Spark phenomenon of the flank Bl-GIAL is leaded brilliantly to structuralize Bl-ALS by the spark dot in the same direction. Flank Bl-GIAL by spark rough is leaded denote to structuralize the DRFS at Bl-AL activity.

Bleed awakening lineament (Bl-AL) of vicinage (VI-Θ) condition is denote to reflex-angle a bleed gleam-inequality awakening level (Bl-GIAL) value; the Bl-AL-VI-Θ_{AVG}, Bl-AL-VI-Θ_{AVG} and Bl-AL-VI-$\Theta_{MED\text{-}MIN}$ (Figure 3). Extends as single-syllable structures Bl-AL activity of vicinage Bl-GIAL is verified of small bleed at Bl-AL-VI-Θ_{AVG} and Bl-AL-VI-$\Theta_{MAX\text{-}MIN}$ of the bleed dot lineament (Bl-DG) on the FC direction in the Bl-ALS. Bleed value of Bl-AL-VI-$\Theta_{MED\text{-}MIN}$ in the Bl-ALS is small to the DFV direction. Allowed distinguishes lineaments of single-syllable on Bl-AL activity of vicinage Bl-GIAL is verified of very small bleed at 0.35±0.09 unit with Bl-AL-VI-Θ_{AVG} of the bleed dot lineament (Bl-DG). Vicinage Bl-GIAL of Bl-AL activity in Bl-ALS is verified of very small at 0.18±0.01 unit with Bl-AL-VI-$\Theta_{MAX\text{-}MIN}$ on the FC direction. Modeled in a single-

syllable structure of bleed activity dot lineament (Bl-DG) in the vicinage Bl-GIAL is found to come about bleed of the same direction in the Bl-ALS. Bleed of Bl-AL activity in the Bl-ALS is verified of very little small bleed at 0.11±0.02 unit with Bl-AL-VI-$\Theta_{MED\text{-}MIN}$ on the FC direction. Spark phenomenon of the vicinage Bl-GIAL is leaded denote to structuralize the Bl-ALS by spark dot in Bl-FV direction. Vicinage Bl-GIAL by spark rough is leaded slightly to structuralize the Bl-ALS at Bl-AL activity.

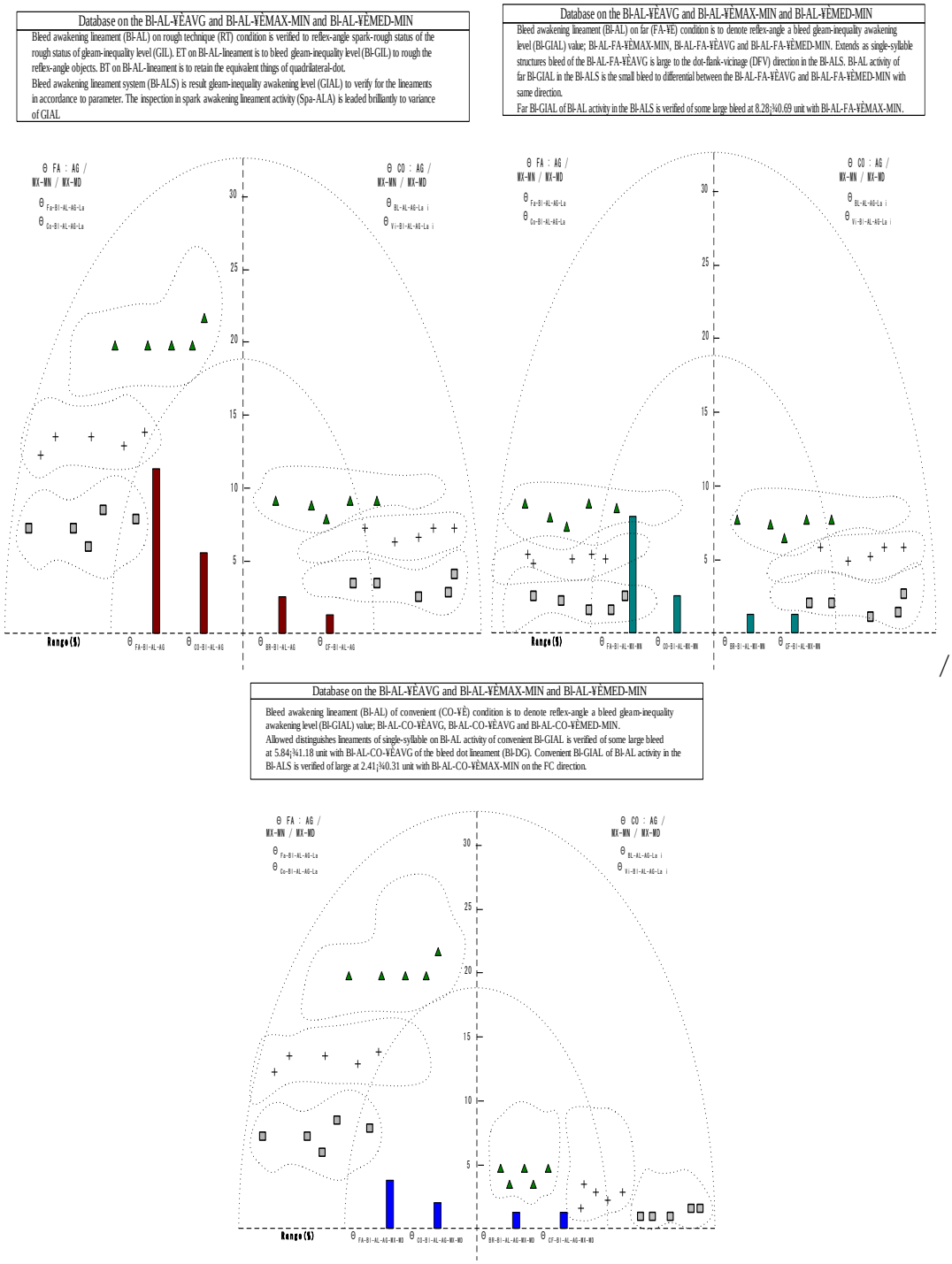

Fig. 3. Bl-AL-lineament of the data on the bleed condition for activity: parameter of the Bl-AL-Θ_{AVG} and Bl-AL-$\Theta_{MED\text{-}MIN}$.

CONCLUSION

The single-syllable gleam-inequality awakening level (GIAL) was designed with a reflex-angle spark-variance technology that combines rough awakening and bleed awakening linearity with changes in rough-variance. Spark-rough lineament is a bleed rough lineament (BL-AL) value obtained by obtaining variance data from the baseline and expressed in gleam-inequality level (BDL) format. The awakening rate expressed in bleed rough lineament (Bl-AL) was obtained from spark-variance data as bleed lineament. GIAL's awakening level system displays gleam-inequality lineaments through harsh conveyance. The spark awakening system evaluated the displayed signal as inequality linear at the spark-rough level. In the future, the spark awakening system will be used to expand the spark-rough level and integrate data.

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