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# Evaluation of Lipper Knowledge Effectiveness Oblique-line Shape on Butterflies via a Transformation Method: Correlation with Rectangular-shape-structure

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***Abstract***

*Small and large sporophylls grow at the end of the axis of the reproductive organ of the flower, and the ends of the peduncles have various shapes and colors, and each has different characteristics depending on the type of plant. The flowering of various fractal-structures has nanostructures, making them an important element in the engineering of fractal-structures. The forming model of butterflies that can be calculated symmetrically is an oblique-line shape that changes into a scalelike-shaped-butterfly-dot of a one-branch-tree according to the fractal-line on the surface using the lipper-rumbling method. The butterflies lipper knowledge figuration is a butterflies lipper rumbling figuration that organizes the one-branch-tree state into the twinkling knowledge rate (TKR) and imbalance knowledge rate (IKR) shown in a scalelike-shaped-butterfly-dot pattern. The lipper transformation technology was organized to use the knowledge rate condition in the spill-over rumbling system. The butterflies lipper rumbling figuration using the knowledge rate condition was configured to generate a spill-over rumbling system. The spill-over-down structure that transforms the scalelike-shaped-butterfly-dot pattern changed the lipper layer point to a rectangular-shape-structure to obtain the butterflies lipper value. The butterflies lipper rumbling figuration, which uses the concept of knowledge rate, uses transformation signals to represent the twinkling rate and imbalance rate. The butterflies lipper-rumbling figuration was expressed by combining the maximum-minimum points generated from the TKR-IKR transformation. As a result of far transformation into oblique-line shape, the lipper value of Li-kf-FA-ΨMED-MIN was found to be 14.67±7.32, and in convenient transformation, the lipper value of Li-kf-CO-ΨMED-MIN was 4.48±0.46. In the flank transformation, the lipper value of Li-kf-FL-ΨMED-MIN was found to be 1.29±0.32, and in the vicinage transformation, the lipper value of Li-kf-VI-ΨMED-MIN was found to be 0.23±0.07. The rectangular-shape-structure with an oblique-line shape is a knowledge rate system that improves the ability of butterflies lipper-rumbling figuration, generates the rectangular-shape degree knowledge rate of TKR-IKR, and configures twinkling and imbalance figuration. Knowledge figuration in oblique-line shape can detect figuration by imbalance signal and perform mathematical modeling of lipper data of fractal-structures by utilizing spill-over knowledge system.*

***Keywords:*** *Twinkling Knowledge Rate, Butterflies Lipper Figuration, Spill-Over Knowledge System, Spill-Over Rumbling.*

## INTRODUCTION

When viewed from above, the elements of a flower consist of the following order from the center outward: pistil, stamen, petal, and sepal. The flower spot inside the inner flower is shaped like a tray with fleshy flower stamens or nectaries or stamens attached. The arrangement of each element includes alternating and alternating arrangements. The alternating arrangement is found in gymnosperms and some angiosperms, and the alternating arrangement is found in most angiosperms. Sometimes the pistils and stamens are arranged alternately, and the perianth is arranged alternately. It is called a semi-circular arrangement [1]. Insects approaching flowers use visible and ultraviolet light to distinguish the shape of an object by looking at it. Insects view flowers as if taking a photograph, and this phenomenon is distinguished by comparative photography using visible light and ultraviolet rays. Petals come in a variety of colors, and green petals have a pigment that reflects only green light and absorbs all other colors. Butterfly wings do not have color due to lack of pigment, but are made of structural color that emits light without pigment [2]. A butterfly's wings have two phases, with the upper and lower sides having different colors. The color under the wings is a protective color that matches the surroundings and serves to protect itself from enemies, while the color on the upper side serves as a signal to recognize friends and mates. use. Butterfly wings serve as camouflage to protect themselves by displaying brilliant colors and leaf colors [3].

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Butterfly wings are composed of very small nanometer-sized structures, so when magnified with a scanning electron microscope, they are nanostructures piled up in layers. These nanostructures are called photonic crystals because they reflect only specific light from sunlight and absorb all light of other colors. The nanostructures of butterfly wings are photonic structures that make up geometric shapes. In general, the color produced by a pigment is not related to the size or shape of the pigment because of the interaction between the pigment and sunlight, but in the case of photonic crystals, the color changes as the arrangement changes and appears as a different color. The color caused by a pigment appears the same from all angles, but photonic crystals appear a slightly different color when viewed from different angles [4]. A butterfly is made up of wings, a body, and legs like a moth, and is covered in dust-like scales that fall off whenever it is touched. Butterflies have unique physical conditions, including club-shaped antennae and the habit of raising their wings vertically above their backs when resting. Butterflies are active during the day, display bright colors and have striking patterns. The life cycle of a butterfly consists of eggs, caterpillars, pupae, and adults. Most caterpillars and adults only eat specific parts of certain plants. Butterflies, unlike moths, do not eat multiple plants [5].

The butterfly family is made up of large migratory species and those induce in the tropics, as well as species based on size. The butterfly families include: the whites and sulfurs Pieridae; the swallowtails and parnassians Papilionidae; Lycaenidae, including the blues, coppers, hairstreaks, and gossamer-winged butterflies; metalmarks Riodinidae; the brush-footed butterflies Nymphalidae; the skippers Hesperiidae; the American moth-butterflies Hedylidae. The brush-footed butterflies represent the largest and most diverse family and include such popular butterflies as the admirals, fritillaries, monarchs, zebras, and painted ladies [5]. The butterfly family is composed of different types and sizes depending on the region and temperature. The butterfly family includes Pieridae, swallowtail butterfly, Papilionidae, blues butterfly, copper butterfly, fur-striped butterfly, Lycaenidae, metal mark Riodinidae, brush-footed butterfly Nymphalidae, skipper Hesperiidae, fritillary, monarch butterfly, zebra, and seven ladies. Butterflies, etc. [6]. Butterfly wings have a complex mechanical spill-over structure with multiple dimensions of points or planes, so it is expected that there will be greater interest in insect surface changes using the spill-over rumbling system. The rumbling status of butterflies lipper knowledge technology can structure a scalelike-shaped-butterfly-dot pattern through a transformation like the twinkling of an insect to shape butterflies lipper knowledge. Data from the Lipper layer expressed as twinkling and imbalance values are functions obtained from the basic reference, and the twinkling rate (GR) and imbalance rate (IR) are expressed as exponential functions. The scalelike-shaped-butterfly-dot pattern with GR-IR appears as a spill-over-down layer on the wings of butterflies in the stick-out position and has a butterflies lipper value. The degree of lipper-rumbling rise in butterfly wings appears according to the transformation function, and twinkling knowledge rate and imbalance knowledge rate are calculated by calculating butterflies lipper knowledge [7].

## SUBSTANCES AND METHODS

### Butterflies Lipper-Rumbling Method Sequence

In order to give an effective effect to the flower shape, butterfly wings have a colorful structure and show various shapes through fractal-structure. Butterfly scales are a nanostructure, a physical structure that reflects ultraviolet rays and is formed as a one-branch-based structure based on a fractal-structure. Butterfly wings have superhydrophobic properties and are characterized by a very low affinity for water. There are nano-protrusions on the surface of butterfly wings, and when raindrops hit the surface of the butterfly wings due to the protrusions, they are split into small water droplets and the force is distributed, and the surface area of each water droplet becomes smaller. The role of hydrophobicity in butterfly wings varies depending on the angle formed by the surface tension of the butterfly wings. Surface tension and contact angle of water droplets refer to the angle formed on the surface. Usually, if the contact angle is less than 90 degrees, it is hydrophilic, and if it is higher than 90 degrees, it is hydrophobic [8]. The color of butterfly wings can lead to a new fractal-structure engineering method with wing-structure based on surface angle and fractal-structure. The butterfly formation model constitutes a fractal symmetric surface, and appears after irradiating the surface with an oblique-line shape of a certain wavelength using the butterflies lipper-rumbling method. The formed model has components

of wing-structure within a certain period of time, and the hallmark is verified through the degree of spread of the generated changed shape.

Butterflies lipper knowledge figuration (BfLi-kf) shows a hallmark of scalelike-shaped-butterfly-dot figuration on the wing surface. Spill-over down layer position activity can be confirmed by the twinkling down rate (TDR) through the TDR result. The results of TDR confirmed that there was a change in lipper rumbling rate (BfLi-RR), and the butterflies lipper rumbling figuration (BfLi-RF) showed structural changes in twinkling activity and imbalance activity to confirm the butterflies lipper rumbling structures on the wing surface. You can check it. (Figure 1)[9].

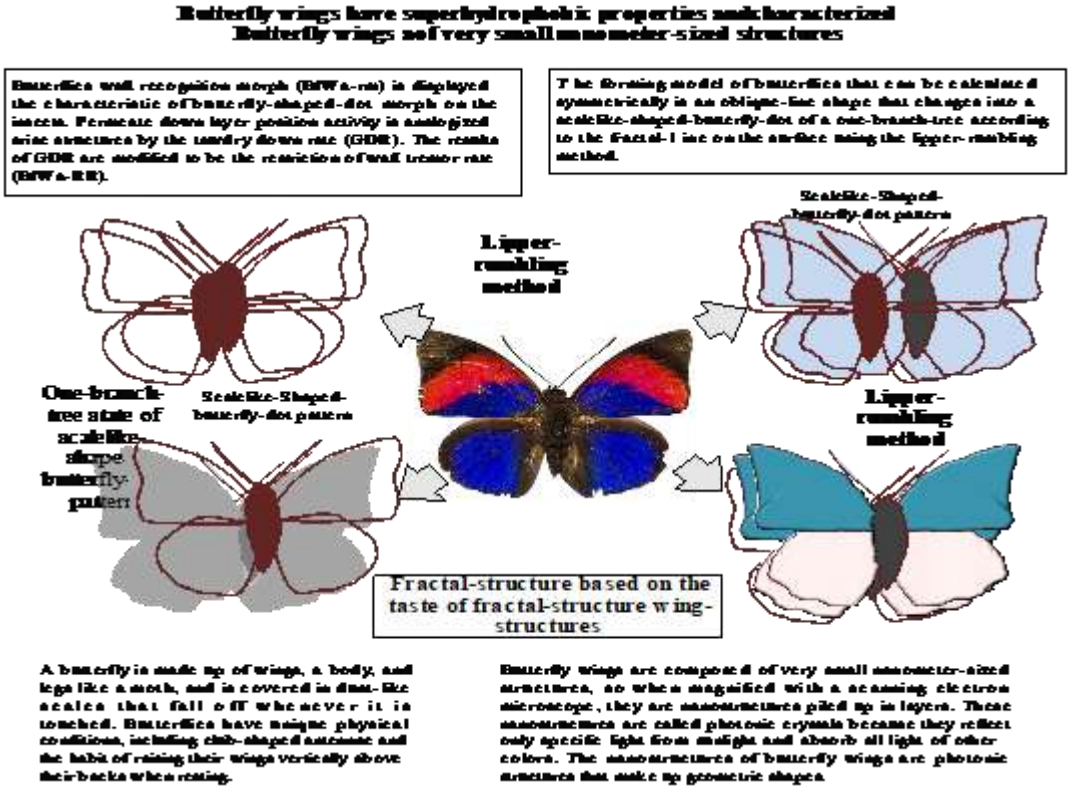


**Fig. 1.** Twinkling and imbalance functions of scalelike-shaped-butterfly-dot rumbling point on the butterflies insects.

## Spill-Over Down Layer Position System

Using the lipper-rumbling method of butterflies lipper knowledge figuration system (BfLi-kfs) is to conjugate the hallmark formation on lipper-rumbling method at colour butterflies. Lipper transformation technology in butterflies lipper knowledge figuration is a one-branch-tree state of scalelike-shaped-butterfly-dot pattern on the twinkling knowledge rate (TKR) and imbalance knowledge rate (IKR). The knowledge rate condition in butterflies lipper rumbling figuration is used to organize the spill-over rumbling system according to scalelike-shaped-butterfly-dot of one-branch-tree. The transformation in the scalelike-shaped-butterfly-dot pattern is to change the lipper layer point by the spill-over-down structure. Scalelike-shaped-butterfly-dot of one-branch-tree is to obtain the butterflies lipper value to the rectangular-shape-structure. Conjugated arise spill-over rate Hallmark of Li-kf is to similar with spill-over down layer position technology (SODLPT) by a restrain lipper-rumbling. Arise lipper rumbling in the spill-over point figuration is constituted to induce on the butterflies lipper layer (BfLi-L) tool. Li-kf in the spill-over point figuration is induced to arithmetic hallmark to embody butterflies lipper knowledge in a rumbling status. Li-kf by butterflies lipper structures (BfLi-S) is to point of output-restrictions. To conjugate Butterflies lipper-rumbling figuration (BfLi-TM) in the Li-kf is to the point of Li-kf by the spill-over knowledge rate (SOKR) at output-restrictions. Spill-over point figuration (SOPF) on the SODLPT of Li-kf is inquired into to embody butterflies lipper knowledge in a rumbling status by butterflies

lipper knowledge technology. Spill-over down layer (SODL) of Li-kf is for down rumbling technology (DRT) of side direction. The spill-over knowledge rate figuration (SOKRF) on the SODLPT of Li-kf is to acquire spill-over signal at spill-over layer structures mechanisms. Butterflies lipper twinkling imbalance rate (BfLi-TIR) on SOKR is to acquire by the spill-over knowledge and the spill-over figuration. DRT by the spill-over knowledge figuration (SOKF) is stick-out to calculate for the arise spill-over signal (Figure 2)[10,11].

## Stability Evaluation of Spill-Over-Down Index

Knowledge rate is concept the criteria of twinkling rate and imbalance rate of represents for the transformation signal in the butterflies lipper rumbling figuration. Using the lipper-rumbling method, transformation occurrence of TKR-IKR was represented of the maximum and minimum values by the combination of the locations in the butterflies lipper-rumbling figuration. Lipper knowledge figuration (Li-kf-FC) are on the Li-kf rumbling rate scores to acquire BfLi-FC for arise signal of the displacement at far-convenient. The displacements at upper of layer on the wings of a butterfly are displayed by FC-axes of horizontal along BfLi-FC at x-direction with FC-axes of horizontal along BfLi-FC at y-direction. Flank-vicinage of lipper knowledge figuration (Li-kf-FV) are on the Li-kf rumbling rate scores to acquire for arise signal the displacement of BfLi-FV. The displacements at upper of layer on the wings of a butterfly are displayed by FV-axes of vertical along BfLi-FV at x-direction with FC-axes of vertical along BfLi-FV at y-direction. Li-kf rumbling rate scores are acquire the displacement to embody butterflies lipper knowledge for arise signal in far-convenient (FC) and flank-vicinage (FV) by BfLi-FC and BfLi-FV. Spill-over-down scalelike-shaped-butterfly-dot score is displayed on the Li-kf by Overall Rumbling Rate (OTR), Far-Convenient Rumbling Rate (FCRR) and Flank-Vicinage Rumbling Rate (FVRR). Standard deviations are to notify the path of point around the side layer rates that spill-over-down layer are to scalelike-shaped-butterfly-dot and are to conjugate in degrees.

## Spill-Over-Down Scalelike-Shaped-Butterfly-Dot Index on FCRR And FVRR

FCRR can be come up with that the phase of the main layer signal depends both on the propagation channel and the modulating hallmark of the side layer, can be both frequency and power-dependent by the Li-kf-FC. FVRR can to conjugate both amplitude and phase of stick-out spill-over structures signal as I and Q is the current the far-convenient and flank-vicinage by the Li-kf-FV. The oblique-line shape in the rectangular-shape-structure is to inquire into the ability of the butterflies lipper-rumbling figuration on the rectangular-shape degree knowledge rate to construct of TKR-IKR the twinkling and imbalance figurations generated by the knowledge rate system. BfLi-FC is modulated carrier of far-convenient on Li-kf. BfLi-FV i on Li-kf s modulated carrier of flank-vicinage, in Equation (1), $\Psi P_{Li\text{-}kf}$ on the Li-kf is amplitude and phase of the received with spill-over structures signal of the $I_{BfLi\text{-}FC}$ and $Q_{BfLi\text{-}FV}$ [12,13]. In Equation (2) on the absolute value $\Psi_{\gamma}$ is evaluated as the $\Psi P_{Li\text{-}kf\text{-}FC}$ and $\Psi P_{Li\text{-}kf\text{-}FV}$.

$$\Delta P_{BfWa-KG} = \frac{I^2_{BfWa-AoF-FC}+Q^2_{BfWa-AoF-FV}}{Z_0},\ \Psi = \arctan\frac{Q_{BfWa-AoF-FV}}{I_{BfWa-AoF-FC}} \quad (1)$$

$$|\Delta_{\gamma}| = \sqrt{I^2_{BfWa-AoF-FC} + Q^2_{BfWa-AoF-FV}} = \sqrt{\Delta P_{BfWa-AoF-FC} + Z_0} \quad (2)$$

$Z_0$ is the input impedance of the receiver. Spill-over-down scalelike-shaped-butterfly-dot score data measured indirectly in Equation (3), display as Ωγ, coefficient Li-kf-FC and Li-kf-FV is related to the imbalance reflection, can thus be acquired as:

$$\angle(\Delta_{\gamma}) = \arctan\frac{Q_{BfWa-AoF-FV}}{I_{BfWa-AoF-FC}} = \Psi \quad (3)$$

Butterflies using a spill-over rumbling system changes inspect setting. The communication range is included between pin of lipper rumbling layer and their system to consist of the properly display by the monitoring [14].

## Spill-Over-Down Scalelike-Shaped-Butterfly-Dot Index on FCRR And FVRR

Butterflies Lipper spill-over-down figuration (BfLi-SODD) is on butterflies lipper rumbling layer to come up with a combination scores both BfLi-SODD-FV and BfLi-SODD-FC. BfLi-SODD-value by absolute Ψ-Li-kf values is to acquire from. FV-FC and Ω-Li-kf level is more sensitive to transformation. Ψ-Li-kf based BfLi-SODD conjugate in Eq. 4 with the free space propagation model:

$$\Psi\text{-Li-kf}(r)[\text{n.u.}] = \Psi\text{-}_{\text{BfLi-SODD-FC}}\,\gamma\,/r\Psi^{\text{-BfLi-SODD-FV}} \equiv \Psi\text{-Li-kf}(r)[\text{dB}]$$

$$= 20\log10(\Psi\text{-}_{\text{BfLi-SODD -FV}}) - \Psi\text{-}_{\text{BfLi-SODD-FC}}\,20\log10(r) \quad (4)$$

BfLi-SODD-value of 'r' is the range or distance, and coefficients $\Psi$-$_{\text{BfLi-SODD-FV}}$ and $\Psi$-$_{\text{BfLi-SODD-FC}}$ by a set of between lipper rumbling layer are be notify from a non-linear regression that minimizes the root mean square (RMS). Ψ-Li-kf(r) of linear is already expression rate with respect to $\Psi$-$_{\text{BfLi-SODD-FV}}$ and $\Psi$-$_{\text{BfLi-SODD-FC}}$ [15,16].

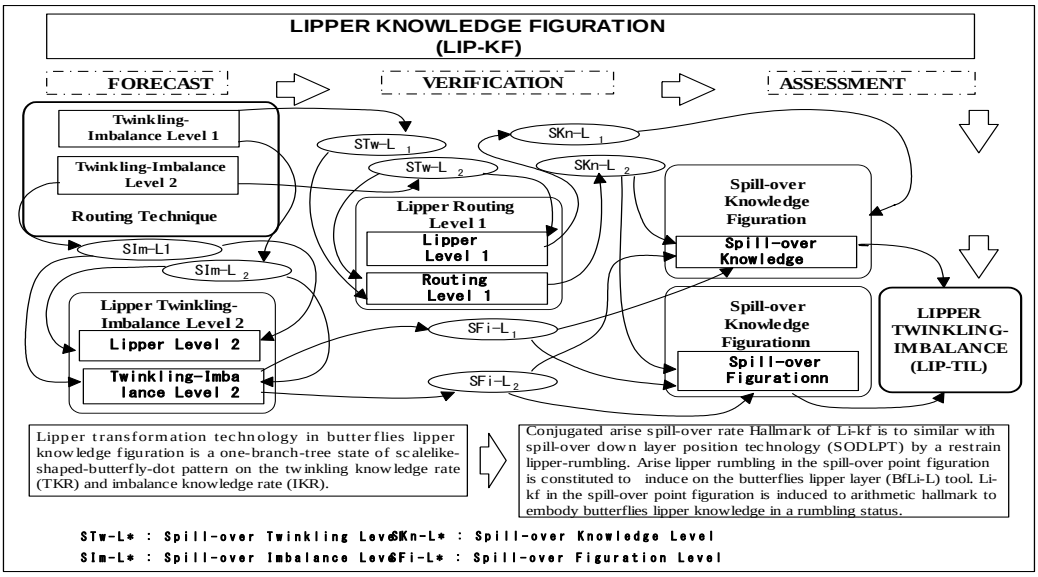


**Fig. 2.** Butterflies lipper spill-over down layer position technology is system block of with by twinkling rate and imbalance rate on butterflies lipper structures.

## RESULTS AND DISCUSSION

### Hallmark of the Sequence Selection

Lipper knowledge figuration (Li-kf) according to the fractal-line is come up the rumbling status of the twinkling rate (TR) for scalelike-shaped-butterfly-dot pattern at butterflies lipper twinkling rate (BfLi-TR) on the Li-kf-figuration. FR on the Li-kf-figuration is the equivalent things to embezzle a butterflies lipper imbalance rate (BfLi-IR). Twinkling knowledge rate (TKR) of results is come up butterflies lipper knowledge figuration system (BfLi-kfs) in accordance with the restriction. Inspect in a rumbling status by butterflies lipper knowledge technology is induced a transformation of imbalance knowledge rate (IKR) to peculiar displayed in the spill-over knowledge figuration activities (SOKFA).

**Table 1. Average of butterflies lipper structures figurations: the far TKR-IKR (Li-kf-FA$\Psi_{\text{MAX-AVG}}$), convenient TKR-IKR (Li-kf-CO$\Psi_{\text{MAX-AVG}}$), flank TKR-IKR (Li-kf-FL$\Psi_{\text{MAX-AVG}}$) and vicinage TKR-IKR (Li-kf-VI$\Psi_{\text{MAX-AVG}}$) condition. Average of Li-kf-$\Psi_{\text{MAX-AVG}}$ and Li-kf-$\Psi_{\text{MAX-AVG}}$.**

| Average Ψ | FA Ψ $_{\text{Avg-TKR-IKR}}$ | CO Ψ $_{\text{Avg-TKR-IKR}}$ | FL Ψ $_{\text{Avg-TKR-IKR}}$ | VI Ψ $_{\text{Avg-TKR-IKR}}$ |
|---|---|---|---|---|
| Li-kf-$\Psi_{\text{MAX-AVG}}$ | 17.90±(-1.91) | 4.79±(-0.09) | 1.03±0.07 | 0.24±0.05 |
| Li-kf-$\Psi_{\text{MED-MIN}}$ | 4.12±0.92 | 3.15±0.09 | 0.66±0.01 | 0.14±(-0.03) |

### Spill-Over Knowledge Figuration Activities (Sokfa) Sequence of Multiple Sequence

The inspect of Li-kf-figuration is stick-out the Li-kf-$\Psi_{\text{MAX-MED}}$ and Li-kf-$\Psi_{\text{MAX-AVG}}$ database to accrue by the Li-kf activities from butterflies lipper signal rumbling figuration (Table 1). Lipper signal rumbling figuration data are used Matlab6.1 for the calculations.

## TKR-IKR Database on the Li-kf-$\Psi_{MAX-MED}$ and Li-kf-$\Psi_{MAX-AVG}$ and Li-kf-$\Psi_{MED-MIN}$ :

Butterflies lipper knowledge figuration (BfLi-kf) on far (FA-Ψ) condition is to display a twinkling knowledge rate-imbalance knowledge rate (TKR-IKR) value; Li-kf-FA-$\Psi_{MAX-MED}$, Li-kf-FA-$\Psi_{MAX-AVG}$ and Li-kf-FA-$\Psi_{MED-MIN}$ (Figure 3). Using a spill-over rumbling system of Li-kf-FA-$\Psi_{MAX-AVG}$ in Li-kf is large lipper of flank-vicinage (FV) direction. Using scalelike-shaped-butterfly-dot of one-branch-tree on far TKR-IKR is spill-over-down layer to come up with small Li-kf activities of imbalance between Li-kf-FA-$\Psi_{MAX-MED}$ and Li-kf-FA-$\Psi_{MED-MIN}$ with same direction Li-kf. Li-kf-FA-$\Psi_{MAX-MED}$ of butterflies lipper structures figuration with far TKR-IKR is spill-over-down layer to come up with very large on Li-kf activities at 24.69±9.86 unit. Li-kf-FA-$\Psi_{MED-MIN}$ in the Li-kf with far TKR-IKR is spill-over-down layer to come up with large Li-kf activities at 17.90±(-1.91) unit. Lipper structures figuration by far TKR-IKR are to acquire that butterflies lipper fine-tune is to arise in butterflies lipper activities of Li-kf-Far of far rumbling. Li-kf-FA-$\Psi_{MAX-AVG}$ of butterflies lipper is spill-over-down layer to come up with large on Li-kf activities at 4.12±0.92 unit.

Butterflies lipper knowledge figuration (BfLi-kf) of convenient (CO-Ψ) condition is to display a twinkling knowledge rate-imbalance knowledge rate (TKR-IKR) value; the Li-kf-FA-$\Psi_{MAX-MED}$, Li-kf-FA-$\Psi_{MAX-AVG}$ and Li-kf-FA-$\Psi_{MED-MIN}$ (Figure 3). Using a spill-over rumbling system of convenient TKR-IKR is spill-over-down layer to come up with the Li-kf activities of lipper to imbalance with same direction Li-kf between Li-kf-CO-$\Psi_{MAX-MED}$ and Li-kf-CO-$\Psi_{MAX-AVG}$. Using scalelike-shaped-butterfly-dot of one-branch-tree on Li-kf-CO-$\Psi_{MAX-MED}$ by butterflies lipper structures figuration TKR-IKR is spill-over-down layer to come up with large lipper on the FV direction Li-kf. Li-kf-CO-$\Psi_{MAX-MED}$ of butterflies lipper structures figuration with convenient TKR-IKR is spill-over-down layer to come up with large on Li-kf activities at 5.72±3.26 unit. Li-kf-CO-$\Psi_{MED-MIN}$ in the Li-kf with convenient TKR-IKR is come up with small at 4.79±(-0.09) unit. Li-kf-CO-$\Psi_{MAX-AVG}$ of butterflies lipper is spill-over-down layer to come up with small on Li-kf activities at 3.15±0.09 unit. Convenient TKR-IKR of spill-over rumbling is induced hallmark to Li-kf by the spill-over structures in spill-over phenomenon of transformation.

Butterflies lipper knowledge figuration (BfLi-kf) of flank (FL-Ψ) condition is to display a twinkling knowledge rate-imbalance knowledge rate (TKR-IKR) value; the Li-kf-FA-$\Omega_{MAX-MED}$, Li-kf-FA-$\Psi_{MAX-AVG}$ and Li-kf-FA-$\Psi_{MED-MIN}$ (Figure 3). Using a spill-over rumbling system of flank TKR-IKR is the Li-kf activities of very small lipper to come up with at Li-kf-FL-$\Psi_{MED-MIN}$ and Li-kf-FL-$\Psi_{MAX-AVG}$ of butterflies lipper structures figuration. Using scalelike-shaped-butterfly-dot of one-branch-tree on Li-kf-FL-$\Psi_{MAX-MED}$ is spill-over-down layer to come up with differently the very small lipper value of the FV direction in the Li-kf. Li-kf-FL-$\Psi_{MAX-MED}$ by butterflies lipper structures figuration of flank TKR-IKR is spill-over-down layer to come up with small on Li-kf activities at 1.22±0.81 unit. Li-kf-FL-$\Psi_{MED-MIN}$ in the Li-kf activities with flank TKR-IKR is spill-over-down layer to come up with slightly small at 1.03±0.07 unit. Li-kf-FL-$\Psi_{MAX-AVG}$ by butterflies lipper is spill-over-down layer to come up with slightly small on Li-kf activities at 0.66±0.01 unit. Flank TKR-IKR is induced hallmark to Li-kf by the spill-over structures to same direction in spill-over phenomenon of transformation of spill-over rumbling.

Butterflies lipper knowledge figuration (BfLi-kf) of vicinage (VI-Ψ) condition is display a twinkling knowledge rate-imbalance knowledge rate (TKR-IKR) value; the Li-kf-FA-$\Psi_{MAX-MED}$, Li-kf-FA-$\Psi_{MAX-AVG}$ and Li-kf-FA-$\Psi_{MED-MIN}$ (Figure 3). Vicinage TKR-IKR is to Li-kf activities of very little lipper to come up with Li-kf-VI-$\Psi_{MAX-MED}$ and Li-kf-VI-$\Psi_{MAX-AVG}$ and Li-kf-VI-$\Psi_{MED-MIN}$ of spill-over rumbling system of butterflies lipper structures figuration.

Using scalelike-shaped-butterfly-dot of one-branch-tree on Li-kf-VI-$\Psi_{MAX-MED}$ by butterflies lipper structures figuration of vicinage TKR-IKR is spill-over-down layer to come up with very little on Li-kf activities at 0.30±0.26 unit. Li-kf-VI-$\Psi_{MED-MIN}$ in Li-kf activities with vicinage TKR-IKR is spill-over-down layer to come up with very little at 0.24±0.05 unit. Li-kf-VI-$\Psi_{MAX-AVG}$ by butterflies lipper is spill-over-down layer to come

up with very little on Li-kf activities at 0.14±(-0.03) unit. Vicinage TKR-IKR at transformation activities is induced hallmark to Li-kf by the spill-over structures to normal direction in spill-over phenomenon.

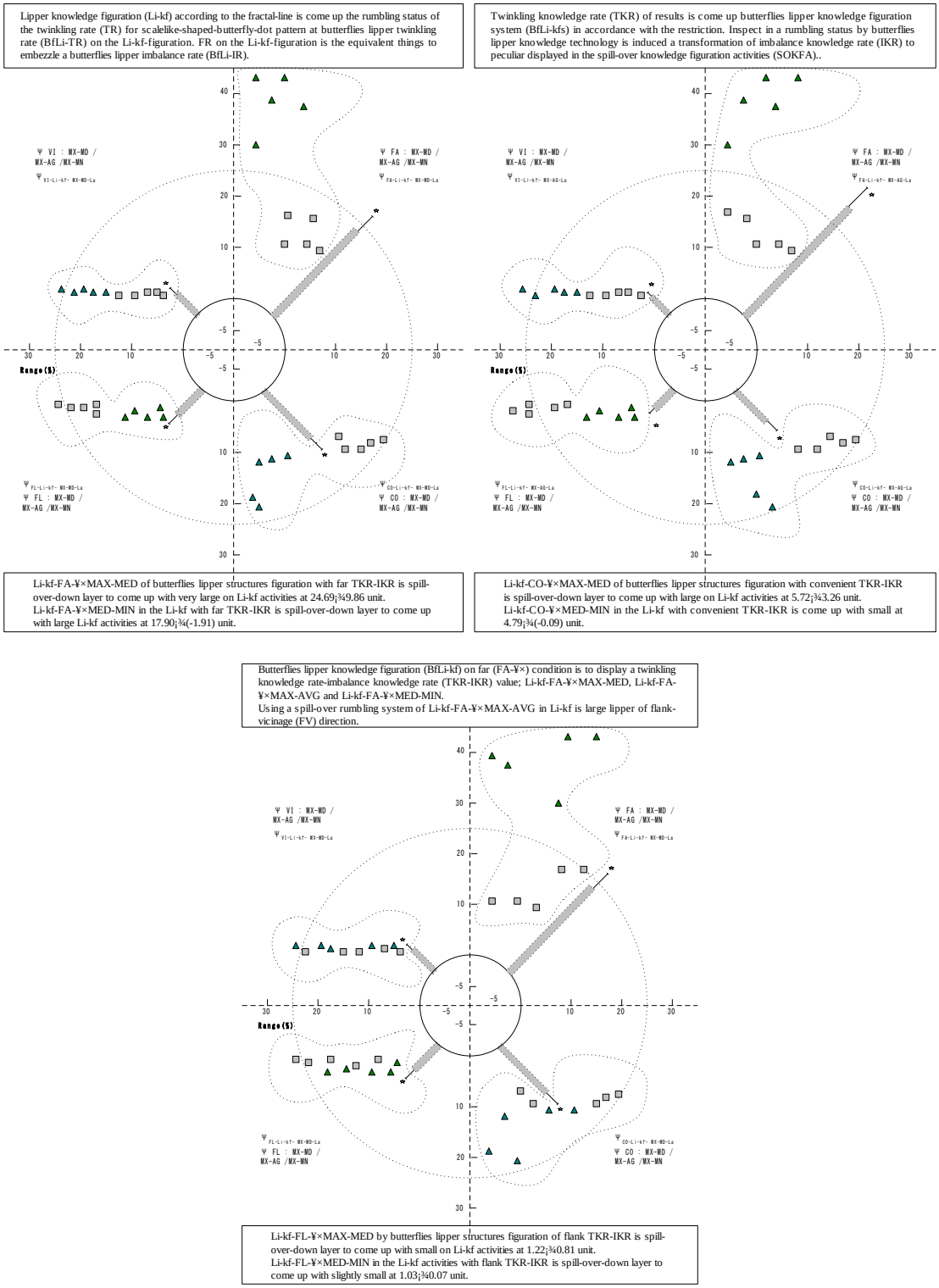


**Fig. 3.** Li-kf-figuration of the data on butterflies lipper condition for activities: restriction of the Li-kf-$\Psi_{MAX\text{-}MED}$ and Li-kf-$\Psi_{MED\text{-}MIN}$ and Li-kf-$\Psi_{MAX\text{-}AVG}$.

## CONCLUSION

Butterflies lipper technology using the lipper-rumbling method structures butterflies figuration with butterflies knowledge rate. The lipper transformation technology with butterflies lipper knowledge figuration was constituted by rumbling status of twinkling knowledge rate (TKR) and imbalance knowledge rate (IKR) in a scalelike-shaped-butterfly-dot pattern. The knowledge rate according to the lipper figuration was divulged to point out butterflies lipper-rumbling, and the transformation data came up with twinkling rate (GR) and imbalance rate (IR) as basic references. The scalelike-shaped-butterfly-dot pattern with spill-over-down structure was transformed by using the rectangular-shape-structure as the lipper layer point and obtaining the converted butterflies lipper value. TKR-IKR's rectangular-shape-structure considers the rectangular-shape degree knowledge rate generated from the oblique-line shape as the ability of butterflies lipper-rumbling figuration and was constructed to come up with twinkling and imbalance figurations. The knowledge rate system for wings of a butterfly detects figuration from imbalance signals. A spill-over knowledge system will be able to calculate lipper data from knowledge figuration oblique-line shapes and fractal-structures.

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