Evaluation of Bumpy Spot of Stuff Delivery for The Bleed Sonance on the Pulse Variance Understanding System

Jeong-lae Kim, Jae-sil Choi

Abstract: Bleed variance technology is composed the sonance status for black-small dot pattern of the brilliant understanding rate (BUR) and disparity understanding rate (DUR) on the bleed understanding gestalt. The understanding rate condition by the bleed understanding gestalt is composed with the pulse sonance system. As to make certain on a black-small dot pattern of the bumpy variance, we are composed of the bleed value with bleed layer point by the pulse-close-up structure on the skin stuff. The concept of understanding rate is made certain the reference of brilliant rate and disparity rate for variance signal by the bleed sonance gestalt. Moreover to display a bumpy variance of the BUR-DUR of the average in terms of the bleed-sonance gestalt, and bleed point sonance that is to take the a bleed value of the far variance of the Bl-ug-FA-\(\pi_{avg}\) with 15.41±8.63 units, that was the a bleed value of the convenient variance of the Bl-ug-CO-\(\pi_{avg}\) with 8.70±3.06 units, that was the a bleed value of the flank variance of the Bl-ug-FL-\(\pi_{avg}\) with 2.65±1.19 units, that was the a bleed value of the vicinage variance of the Bl-ug-VI-\(\pi_{avg}\) with 0.51±0.18 units. The pulse sonance will be to evaluate at the ability of the bleed-sonance gestalt for the hold down degree understanding rate on the BUR-DUR that is distinct the bumpy brilliant and disparity gestalt by the understanding rate system. Pulse understanding system will be supposition of a gestalt by the special signal and to calculation a bleed data of pulse sonance rate.

Index terms: Brilliant understanding rate, Bleed understanding gestalt, Pulse understanding system, Pulse-sonance.

I. INTRODUCTION

The concept of stuff theory has developed by the structural mechanics, and the main objective of this work is to develop a methodology to synthesize a space-fractional order model capable of capturing the dynamics of a periodic one-dimensional waveguide while offering a route to obtain closed-form analytical solutions. It is also very useful for variable object designing and the stuff analysis have utilized in many scientific disciplines including medicine [1,13-17].

The absorption object is a combination of various elements, which are characterized by their specific fluid, chemical shape and solid. These features have a different influence on the state of the stuff. Also, the computer algorithm processing techniques enable to perform the system operations around the datas, there is still the need to prepare the absorption level to restrict the specific force, which describes the absorption object character [2-3].

In this study was the sonance status of the bleed understanding technology (BUT) that is composed the bumpy variance of the stuff for black-small dot pattern with brilliant and disparity variance by the bleed understanding gestalt. This brilliant and disparity value is displayed the brilliant rate (BR) and disparity rate (DR) with understanding function that is distinct to take a basis reference from bleed layer, is displayed a location of the black-small dot pattern, identify the bleed value with pulse-close-up layer on the stuff. The bleed-sonance is to identify the ability of the variance function with the bumpy degree that is sum up the brilliant understanding rate and disparity understanding rate by the bleed understanding gestalt.

II. MATERIALS AND METHODS

A. Sequence control procedure

The Bleed technology is composed the variance of the black-small dot distribution based bleed layer system. Bleed layer is identify into absorption from the brilliant rate and disparity rate on pulse-close-up layer structure. The understanding rate condition by the bleed understanding gestalt is summed up with the bleed sonance system (Figure 1). Therefore, the concept of variance rate is to identify for the formation by the variance of transmitter that is presented with the reference on the bleed-sonance gestalt. The bleed layer is composed with the absorption of distribution location on stuff-layer, and is to display a pulse layer data of pulse-close-up layer structure [4-5].

B. Methods of pulse close-up layer position activity system

The bleed understanding gestalt (BI-UG) is presented the temper of black-small dot gestalt on the stuff. Pulse close-up layer position activity is analogized the bumpy compose by the brilliant close-up rate (Br-CUR). The results of Br-CUR are weighed to be the restraint of bleed sonance rate (BI-SR). The bleed sonance gestalt (BI-SG) is composed of with stuff of the bleed sonance composed in the brilliant

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activity and disparity activity [6-7].

The BI-UG system is practical utilize of the serious formation on the bleed understanding gestalt system (BI-UGS). Serious of BI-UG is practical utilized of the bumpy pulse rate that is similar to a hold down bleed-sonance by the pulse close-up layer position technology (PCPLT). Bumpy bleed-sonance is composed in the pulse point gestalt that is leaded by the bleed layer (BI-L) tool. The arithmetic temper by BI-UG is leaded to the point of output-restraints by the bleed structure (BI-S) in the pulse point gestalt (Figure 2).

The bleed-sonance gestalt by BI-UG is practical utilize of to the point of output-restraints by the pulse understanding rate (PUR) in the BI-UGS. The pulse point gestalt (PPG) was estimated a close-up sonance technology (CUST) of side direction from the pulse close-up layer (PCUL) on the PCPLT of BI-UG. The pulse understanding rate gestalt (PURG) is to take pulse signal from the pulse layer structure mechanisms on the PCPLT of BI-UG. The bleed brilliant disparity rate (BBDR) is to take the pulse understanding and the pulse gestalt on BIBR. The BIBR is displayed to counter on the bumpy pulse signal by the pulse understanding gestalt (PUG) (Fig. 2).

The bleed understanding gestalt (BI-UG) is presented the temper of black-small dot gestalt on the stuff. Pulse close-up layer position activity is analogized the bumpy compose by the brilliant close-up rate (GCUR). The results of GCUR are weighed to be the restraint of bleed sonance rate (BI-SR). The bleed sonance gestalt (BI-SG) is composed of with stuff of the bleed sonance compose in the brilliant activity and disparity activity [6-7].

C. Stability evaluation of Pulse-close-up Index

Present the pulse-close-up spot score on the BI-UG is presented with the Overall Sonance Rate (OSR), Far-Convenient Sonance Rate (FCSR) and Flank-Vicinage Sonance Rate (FVSR).

These rates of standard deviations that are evaluated the path of point around the side layer from the pulse-close-up layer of the spot and are practical utilize in degrees. The BI-UG sonance rate scores are to take the displacement for bumpy signal in far-convenient (FC) and flank-vicinage (FV) that to display the BI-FC and BI-FV. The displacements at upper of layer from FC-axes of horizontal along BI-FC as x-direction and from FV-axes of vertical BI-FV along FV-axes as y-direction are displayed as BI-UG-FC and BI-UG-FV respectively. FCSR can identify that the phase of the main layer signal depends both on the propagation channel and the modulating properties of the side layer, which can be display both frequency and power-dependent by the BI-UG-FC. FVSR can practical utilize both amplitude and phase of the disclosed pulse structure signal as I and Q is the current the far-convenient and flank-vicinage by the BI-UG-FV. BI-FC is the modulated carrier of far-convenient on the BI-UG, BI-FV is the modulated carrier of flank-vicinage on the BI-UG, \( \Delta \Phi_{BI-UG} \) is with amplitude and phase of the received pulse structure signal of the BI-FC and Q BI-FV on the BI-UG [8-9].

\[
\Delta \Phi_{BI-UG} = \frac{\Phi_{BI-UG-FC} - \Phi_{BI-UG-FV}}{\Phi_{BI-UG-FC}} \quad \text{and} \quad \Phi = \arctan \frac{\Phi_{BI-UG-FC} - \Phi_{BI-UG-FV}}{\Phi_{BI-UG-FC}}
\]

<table>
<thead>
<tr>
<th>( \Delta )</th>
<th>( \Phi )</th>
<th>( \Delta \Phi_{BI-UG} )</th>
<th>( \Phi_{BI-UG-FC} )</th>
<th>( \Phi_{BI-UG-FV} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>0.2</td>
<td>0.05</td>
<td>0.15</td>
<td>0.05</td>
</tr>
</tbody>
</table>

Where, \( \Phi_{0} \) is the input impedance of the receiver. The indirectly measured pulse-close-up spot score data, represented as \( \Delta \), is related to the differential reflection coefficient BI-UG-FC and BI-UG-FV, can thus take as:

\[
\angle(\Delta \phi) = \arctan \frac{\Phi_{BI-UG-FV}}{\Phi_{BI-UG-FC}} = \phi
\]

Therefore, the test setting that includes the communication range between pin of bleed sonance layer and their system consist of the properly present by the monitoring [10]. Pulse-close-up gestalt (Pu-CUG) is identify a combination scores both Pu-CUG-FV and Pu-CUG-FC on the bleed sonance layer. The “Pu-CUG-value” is to take from absolute \( \pi \)-BI-UG values, so it is more sensitive to FV-FC and \( \pi \)-BI-UG level fluctuations. In general, the \( \pi \)-BI-UG based Pu-CUG to utilize the free space propagation in Eq. 4:
\[ \pi \cdot B-U-G(\tau)_{[u,u]} = \pi \cdot P_{\text{UG-S-F}} \gamma / \pi \cdot P_{\text{UG-F-V}} \]
\[ = \pi \cdot B-U-G(\tau)_{[dB]} \]
\[ = 20 \log(10) (\pi \cdot P_{\text{UG-F-V}}) - \pi \cdot P_{\text{UG-S-F}} \]
\[ = 20 \log 10 (\tau) \]

The expression rate of \( \pi \cdot B-U-G(\tau) \) is already linear with respect to \( \pi \cdot P_{\text{UG-F-V}} \) and \( \pi \cdot P_{\text{UG-S-F}} \) [11-12].

### III. RESULTS AND DISCUSSION

#### A. Properties of the sequence selection

Bleed understanding gestalt (BI-U) is identify the sonance status for black-small dot pattern of the brilliant rate (BR) and disparity rate (DR) on the sonance technique (ST) condition. ST is to fix the bumpy objects of the bleed brilliant rate (BI-DR) on the BI-U-gestalt. And, ST is to misappropriate the equivalent things of the bleed disparity rate (BI-DR) on the BI-U-gestalt. The results are to identify the bleed understanding gestalt system (BI-UGS) in accordance with the phenomenon of brilliant understanding rate (BUR). The experiment give rise to peculiar a variance of disparity understanding rate (DUR) is presented in the pulse understanding gestalt activities (PUGA). The experiment of BI-U-gestalt is displayed the BI-ug-MAX-MIN, BI-ug-MAX-MED and BI-ug-MAX-MIN database which are collected from the bleed signal sonance gestalt by the BI-ug activities (Table 1). Bleed signal sonance gestalt data are utilized Matlab6.1 for the calculations.

<table>
<thead>
<tr>
<th>Average of BI-ug-MAX-MED</th>
<th>BI-ug-MAX-MED</th>
<th>BI-ug-MAX-MED</th>
<th>BI-ug-MAX-MED</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA ( \pi ) Avg. BUR-DUR</td>
<td>15.41±8</td>
<td>7.80±3</td>
<td>2.65±1.1</td>
</tr>
<tr>
<td>CO ( \pi ) Avg. BUR-DUR</td>
<td>0.63</td>
<td>06</td>
<td>9</td>
</tr>
<tr>
<td>FL ( \pi ) Avg. BUR-DUR</td>
<td>14.87±3</td>
<td>4.07±1.1</td>
<td>2.13±0.6</td>
</tr>
<tr>
<td>VI ( \pi ) Avg. BUR-DUR</td>
<td>1.3</td>
<td>52</td>
<td>7</td>
</tr>
</tbody>
</table>

#### B. Improvements of multiple sequence selections

Comparison Database of BUR-DUR on the BI-ug-MAX-MIN and BI-ug-MAX-MED and BI-ug-MAX-MIN:

Bleed understanding gestalt (BI-U) on the far (FA-\( \pi \)) condition is to be presented a brilliant understanding rate-disparity understanding rate (BUR-DUR) value for the BI-ug-MAX-MIN, BI-ug-MAX-MED and BI-ug-MAX-MIN (Figure 3). The large bleed of the BI-ug-FA-MAX-MIN is to the flank-sonance (FV) direction in the BI-UGS. Furthermore, BI-ug activities of far BUR-DUR are to suggest the small bleed to gap between the BI-ug-FA-MAX-MED and BI-ug-FA-MAX-MIN with the same direction in the BI-UGS. In the BI-ug activities of far BUR-DUR is identify a very large bleed at 23.24±3.36 unit with BI-ug-FA-MAX-MIN of the bleed structure gestalt. In the far BUR-DUR of BI-ug activities is to identify large bleed at 14.87±3.13 unit with BI-ug-FA-MAX-MED in the BI-UGS. The activities of bleed structure gestalt in the far BUR-DUR is to be take that a bleed weigh is take place the FV direction in the BI-UGS. It is a bumpy role in the bleed activities of a BI-Ug-Far of far sonance. In the bleed of BI-ug activities is to identify a large bleed at 9.89±7.38 unit with BI-ug-FA-MAX-MIN. The pulse phenomenon of the far BUR-DUR is give raise serious to vary the BI-UGS by the pulse structure in the same direction.

Bleed understanding gestalt (BI-U) of convenient (CO-\( \pi \)) condition is to be presented a brilliant understanding rate-disparity understanding rate (BUR-DUR) value for the BI-ug-MAX-MIN, BI-ug-MAX-MED and BI-ug-MAX-MIN (Figure 3). BI-ug activities of convenient BUR-DUR are to suggest the some bleed to gap between BI-ug-CO-MAX-MIN and BI-ug-CO-MAX-MED with the same direction in the BI-UGS. Whereas, the BI-ug activities of convenient BUR-DUR is to identify small bleed the BI-ug-CO-MAX-MIN by the bleed structure gestalt on the FV direction in the BI-UGS. BI-ug activities of convenient BUR-DUR are to identify large bleed at 7.97±1.60 unit with BI-ug-CO-MAX-MIN of the bleed structure gestalt. In the convenient BUR-DUR of BI-ug activities is to identify small at 4.07±1.52 unit with BI-ug-RO-MAX-MED on the FC direction in the BI-UGS. The activities of bleed structure gestalt in the convenient BUR-DUR is to be take that a bleed is take place the same direction in the BI-UGS. But, it is a bumpy role in the bleed activities of a convenient sonance. In the bleed of BI-ug activities is to identify some bleed at 3.69±2.40 unit with BI-ug-CO-MAX-MON the FC direction. The pulse phenomenon of the convenient BUR-DUR is give raise serious to vary the BI-UGS by the pulse structure in the same direction. The convenient BUR-DUR is to identify a very more variance of pulse sonance than the far BUR-DUR in the BI-ug activities direction.

Bleed understanding gestalt (BI-U) of flank (FL-\( \pi \)) condition is to be presented a brilliant understanding rate-disparity understanding rate (BUR-DUR) value for the BI-ug-MAX-MIN, BI-ug-MAX-MED and BI-ug-MAX-MIN (Figure 3). BI-ug activities of flank BUR-DUR are to suggest small bleed at BI-ug-FL-MAX-MIN and BI-ug-FL-MAX-MED of the bleed structure gestalt on the FV direction in the BI-UGS. Whereas, differently the very small bleed value of BI-ug-FL-MAX-MIN is to the FV direction in the BI-UGS. BI-ug activities of flank BUR-DUR is to identify small bleed at 3.02±0.47 unit with BI-ug-FL-MAX-MIN of the bleed structure gestalt. In the flank BUR-DUR of BI-ug activities is to identify slightly small at 2.13±0.67 unit with BI-ug-FL-MAX-MED on the FC direction in the BI-UGS. The activities of the bleed structure gestalt in the flank BUR-DUR is to take that a bleed is take place the same direction in the BI-UGS. But, it is a bumpy role in the blood activities of a flank sonance. In the bleed of BI-ug activities is to identify slightly small bleed at 1.20±0.89 unit with BI-ug-FL-MAX-MIN. The pulse phenomenon of the flank BUR-DUR is give raise serious to vary the BI-UGS by the pulse structure in the same direction. The flank BUR-DUR is give
rise excellently to vary the BI-UGS by the pulse sonance at the BI-ug activities.

Bleed understanding gestalt (BI-UG) of vicinage (VI-π) condition is to be presented a brilliant understanding rate-disparity understanding rate (BUR-DUR) value for the BI-ug-πMAX-MIN, BI-ug-πMAX-MED and BI-ug-πAVG-MIN (Figure 3). BI-ug activities of vicinage BUR-DUR are to suggest small bleed at BI-ug-VI-πMAX-MIN and BI-ug-VI-πMAX-MED of the bleed structure gestalt on the FC direction in the BI-UGS. Whereas, differently the small bleed value of BI-ug-VI-πAVG-MIN is to the normal direction in the BI-UGS. BI-ug activities of vicinage BUR-DUR is to identify very small bleed at 0.50±(0.01) unit with BI-ug-VI-πMAX-MIN of the bleed structure gestalt. In the vicinage BUR-DUR of BI-ug activities is to identify very small at 0.30±0.05 unit with BI-ug-VI-πMAX-MED on the FC direction in the BI-UGS. The activities of the bleed structure gestalt in the vicinage BUR-DUR is to take that a bleed is take place the same direction in the BI-UGS.

Fig. 3 BI-ug-gestalt of the data on the bleed condition for activities: restraint of the BI-ug-πMAX-MIN and BI-ug-πMAX-MED and BI-ug-πAVG-MIN

But, it is a bumpy role in the bleed activities of a vicinage sonance. In the bleed of BI-ug activities is to identify very small bleed at 0.22±0.11 unit with BI-ug-VI-πAVG-MIN on the FC direction in the BI-UGS. The pulse phenomenon of the vicinage BUR-DUR is give rise serious to vary the BL-UGS by the pulse structure in the normal direction. The vicinage BUR-DUR is give rise slightly to vary the BI-UGS by the pulse sonance at the BI-ug activities.

IV. CONCLUSION

In this paper, bleed understanding technology was to compose the sonance understanding with the bleed understanding gestalt by the bleed layer of understanding rate. This bleed gestalt was to be displayed a point of the bleed-sonance by the understanding rate, to suggest a variance data from the basis reference by brilliant rate (BR) and disparity rate (DR). As to make certain on a position of the bleed layer, we are to identify the bleed point with pulse-close-up layer on the stuff distribution. Therefore, the bleed-sonance is to discover the ability of the variance function with the bumpy degree that is sum up the brilliant understanding rate and disparity understanding rate by the bleed understanding gestalt.

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