|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***X = W0,0*** | | | | | | | | | | | | | | | |  |
| Ĝ(*f*) **↙**  Decomposition levels | | | | | | | | **↘** Ĥ(*f*) | | | | | | | |  |
| ***W1,0*** | | | | | | | | ***W1,1*** | | | | | | | | *j=1* |
| Ĝ(2*f*) **↙** | | | | **↘** Ĥ(2*f*) | | | | Ĝ(2*f*) **↙** | | | | **↘** Ĥ(2*f*) | | | |  |
| ***W2,0*** | | | | ***W2,1*** | | | | **W2,2** | | | | ***W2,3*** | | | | *j=2* |
| Ĝ(4*f*) **↙** | | **↘** Ĥ(4*f*) | | Ĝ(4*f*) **↙** | | **↘** Ĥ(4*f*) | | Ĝ(4*f*) **↙** | | **↘** Ĥ(4*f*) | | Ĝ(4*f*) **↙** | | **↘** Ĥ(4*f*) | |  |
| ***W3,0*** | | ***W3,1*** | | ***W3,2*** | | ***W3,3*** | | ***W3,4*** | | ***W3,5*** | | ***W3,6*** | | ***W3,7*** | | *j=3* |
| Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) |  |
| ***W4,0*** | ***W4,1*** | ***W4,2*** | ***W4,3*** | ***W4,4*** | ***W4,5*** | ***W4,6*** | ***W4,7*** | ***W4,8*** | ***W4,9*** | ***W4,10*** | ***W4,11*** | ***W4,12*** | ***W4,13*** | ***W4,14*** | ***W4,15*** | *j=4* |

0 3.9 7.8 11.7 15.6 19.5 23.4 27.3 31.3 35.2 39.1 43 46.9 50.8 54.7 58.6 62.5

*f* [Hz]

*↓*

Decomposition levels

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **W0,0** | | | | | | | | | | | | | | | |  |
| Ĝ(*f*) **↙** | | | | | | | | **↘** Ĥ(*f*) | | | | | | | |  |
| **W1,0** | | | | | | | | **W1,1** | | | | | | | | *j=1* |
| Ĝ(2*f*) **↙** | | | | **↘** Ĥ(2*f*) | | | | Ĝ(2*f*) **↙** | | | | **↘** Ĥ(2*f*) | | | |  |
| **W2,0** | | | | **W2,1** | | | | **W2,2** | | | | **W2,3** | | | | *j=2* |
| Ĝ(4*f*) **↙** | | **↘** Ĥ(4*f*) | | Ĝ(4*f*) **↙** | | **↘** Ĥ(4*f*) | | Ĝ(4*f*) **↙** | | **↘** Ĥ(4*f*) | | Ĝ(4*f*) **↙** | | **↘** Ĥ(4*f*) | |  |
| **W3,0** | | **W3,1** | | **W3,2** | | **W3,3** | | **W3,4** | | **W3,5** | | **W3,6** | | **W3,7** | | *j=3* |
| Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) | Ĝ(8*f*) **↙** | **↘** Ĥ(8*f*) |  |
| **W4,0** | **W4,1** | **W4,2** | **W4,3** | **W4,4** | **W4,5** | **W4,6** | **W4,7** | **W4,8** | **W4,9** | **W4,10** | **W4,11** | **W4,12** | **W4,13** | **W4,14** | **W4,15** | *j=4* |

0 3.9 7.8 11.7 15.6 19.5 23.4 27.3 31.3 35.2 39.1 43 46.9 50.8 54.7 58.6 62.5

*f* [Hz]