production部分

加一个产量的分布图

index计算结果

为了结合具体的海域信息去分析九州地区的养殖情况，本研究整合渔场信息，选取了15个养殖海域进行分析。根据公式2.5，计算了15个海域的I值（见表）。

Table Value of index I and the parameter list

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Bay | p(ton/year) | D(m) | u(m/s) | A(m2) | H(m) | I |
| 1 | Tsukumi | 1292.16 | 4127 | 0.26205642 | 69653596.68 | 20.91 | 0.01363034 |
| 2 | Saiki | 5706.642 | 10387 | 0.0585446 | 176481136.50 | 19.42 | 0.2881542 |
| 3 | Yonozu | 1697.4 | 5932 | 0.0010238 | 26442577.15 | 21.00 | 17.2791925 |
| 4 | Kusunoki-Nishiura | 8856 | 1544 | 0.07097389 | 13267221.55 | 16.85 | 0.84084681 |
| 5 | Inokushi-Kamae | 5178.3 | 1947 | 0.04056712 | 20365632.29 | 9.23 | 1.29028985 |
| 6 | Sumie | 11496.04 | 1882 | 0.03409905 | 24049679.41 | 9.36 | 2.7501919 |
| 7 | Shibushi | 5116.8 | 4815 | 0.01113221 | 329521652.60 | 37.78 | 0.17341932 |
| 8 | Kagoshima | 19707.306 | 43740 | 0.04305058 | 1302125880.00 | 50.73 | 0.29575228 |
| 9 | Yotsushiro | 41323.812 | 18332 | 0.18844072 | 353649954.00 | 20.37 | 0.54452328 |
| 10 | Sasebo | 1428.53 | 4675 | 0.4284522 | 49790063.16 | 20.00 | 0.01527116 |
| 11 | Furue-Usuka | 2277.87 | 1097 | 0.02152431 | 7338438.27 | 16.48 | 0.93639702 |
| 12 | Imari | 6086.322 | 1300 | 0.11511547 | 166845640.50 | 17.54 | 0.02291419 |
| 13 | Nagoya | 1056.546 | 2005 | 0.12760543 | 6114956.59 | 10.08 | 0.26283617 |
| 14 | Tsushima | 4403.88 | 8963 | 0.07772014 | 84197438.14 | 16.73 | 0.35175203 |
| 15 | Goto | 747.29 | 8457 | 0.3499972 | 27796289.62 | 18.13 | 0.03495686 |

给出I的分布图：

与赤潮数据的相关性分析

A picture containing table, clock

Description automatically generated