Deformed\_Hull\_2024\_0813\_0854.stl船体变形报告

20240813 085453

# Parent Hull： 5415\_highest\_whole.stl Principal Dimensions：123.42m × 16.55m × 15.47m Draft：7.4m

# Combined Deformation Parameters：

|  |  |  |
| --- | --- | --- |
| Parameters | Value | Unit |
| LCB Change Ratio |  |  |
| Cp Change Ratio |  |  |

# Hull DataData：

### (1)Hydrostatic Performance Parameters：

|  |  |  |  |
| --- | --- | --- | --- |
| Parameters | Parent Hull | Deformed Hull | Error |
| hull\_length |  |  |  |
| hull\_breadth |  |  |  |
| hull\_depth |  |  |  |
| length\_on\_waterline |  |  |  |
| beam\_on\_waterline |  |  |  |
| waterplane\_area |  |  |  |
| waterplane\_coefficient |  |  |  |
| waterplane\_center\_of\_floatation |  |  |  |
| submerged\_body\_length |  |  |  |
| submerged\_body\_breadth |  |  |  |
| submerged\_body\_depth |  |  |  |
| displaced\_volume |  |  |  |
| wetted\_surface\_area |  |  |  |
| longitudinal\_center\_of\_buoyancy |  |  |  |
| longitudinal\_center\_of\_buoyancy\_ratio |  |  |  |
| block\_coefficient |  |  |  |
| midship\_section\_area |  |  |  |
| midship\_coefficient |  |  |  |
| prismatic\_coefficient |  |  |  |
| vert\_prismatic\_coefficient |  |  |  |

### (2)Parent Hull Offset Table：

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Stations | Half Breadth | | | | | | | | | | Depth | | | | | | Stations |
| 500 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 2000Buttock | 4000Buttock | 6000Buttock | 8000Buttock | 10000Buttock | 12000Buttock |
| 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |
| 0+1/2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0+1/2 |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6 |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9 |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11 |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12 |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 13 |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 14 |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 15 |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 16 |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 17 |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 18 |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 19 |
| 19+1/2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 19+1/2 |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |

### (3)Deformed Hull Offset Table：

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Stations | Half Breadth | | | | | | | | | | Depth | | | | | | Stations |
| 500 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 2000Buttock | 4000Buttock | 6000Buttock | 8000Buttock | 10000Buttock | 12000Buttock |
| 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |
| 0+1/2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0+1/2 |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6 |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9 |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11 |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12 |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 13 |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 14 |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 15 |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 16 |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 17 |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 18 |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 19 |
| 19+1/2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 19+1/2 |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20 |

# Hull Visual Display

### Surface Contrast

### Line Contrast