**Tabulation of Results for Natural Convection in Differentially Heated Cavity**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Temperature Contour | Vorticity Contour | Stream Function Cont. | Stream Lines |
| Ra=10^3 | Screenshot (85).png | Screenshot (86).png | Screenshot (87).png | Screenshot (103).png |
| Ra=10^4 | Screenshot (81).png | Screenshot (82).png | Screenshot (83).png | Screenshot (101).png |
| Ra=10^5 | Screenshot (93).png | Screenshot (94).png | Screenshot (95).png | Screenshot (96).png |
| Ra=10^6 | Screenshot (97).png | Screenshot (98).png | Screenshot (99).png | Screenshot (100).png |

**Input Parameter**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pr=0.71** | **Ra=10^3** | **Ra=10^4** | **Ra=10^5** | **Ra=10^6** |
| **Grid Size** | 101x101 | 101x101 | 201x201 | 301x301 |
| **Ws** | 1 | 1 | 0.1 | 0.1 |
| **Ww** | 1 | 1 | 1 | 1 |
| **Wt** | 1 | 1 | 1 | 1 |

Where Ws, Ww and Wt are Relaxation Factors in Stream function, Vorticity and Temperature Equation