|  |  |  |
| --- | --- | --- |
| Hand Analysis | TF Analysis | Transient Analysis |
| 1+RF/R=1+9/1=10 | 9.99001 | Output Peak/ Input Peak=9.98017/0.999082=9.989340214 |

Hand Analysis is the ideal value of the gain.

Transfer function and transient analysis is almost the same but the slight difference might be due to the solving of the differential equations at the transient analysis while solving easier model at the TF analysis.