**ECE231 Helpful Equations Sheet 2 (Fall 2016)**

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Sinusoids**:    



**Interface Amplifier Design**



|  |  |
| --- | --- |
| **Capacitor** | **Inductor** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| Open | Short |
|  |  |
|  |  |

**Method of Undetermined Coefficients**:  

**Integrating Factor**: Given  then 

**Initial/Final Value Approach**: 