

# WIND

CODE BASED WIND ANALYSIS OF RECTANGULAR  
STRUCTURES  
ANALYSIS | GO2

## Summary

Wind calculates free stream velocity pressures and wind loads on various building geometries.

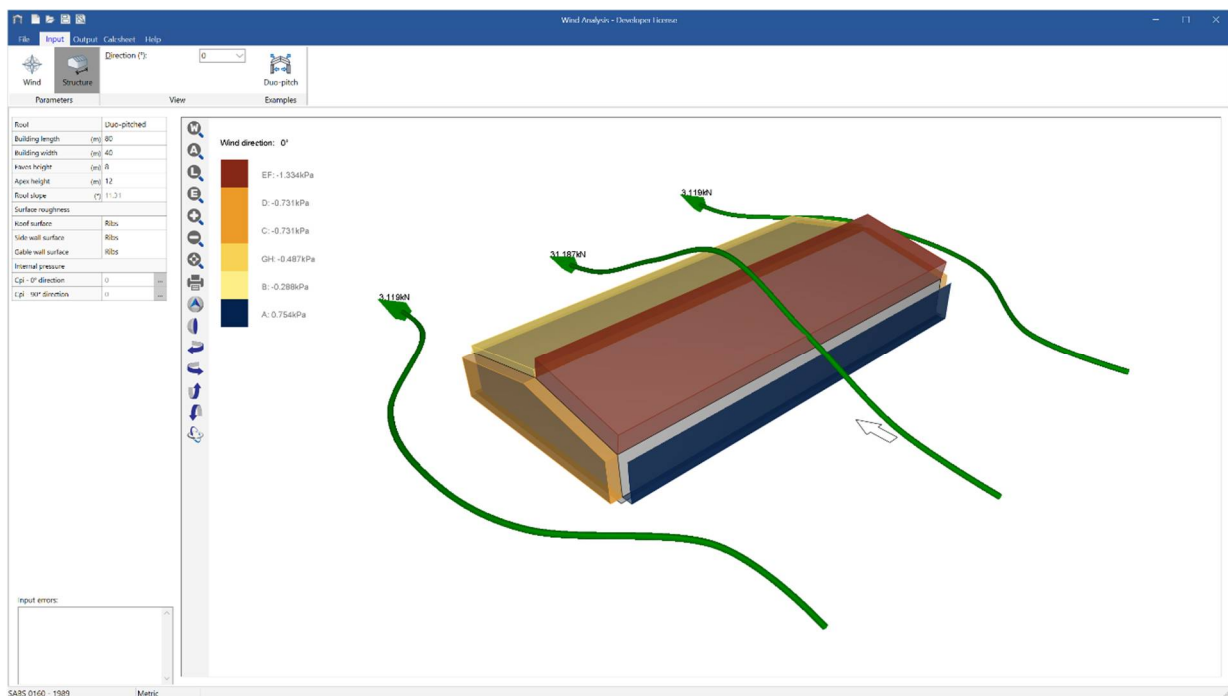
## What makes this module special?

- Simplified input
- Duo-pitched and mono-pitched roofs
- Integrates with **Sumo** and **Frame**

## Detailed Description

Wind eliminates the tedium of wind loading by computing the free stream velocity pressures, including frictional effects due to wind, on building structures based on a few simple inputs.

Three-dimensional depictions of input and output illustrate the wind direction and pressure vectors, thus reducing the effort of transferring wind loading to the correct regions of an analysis model. Mono-pitched and duo-pitched roofs are supported. **Frame** and **Sumo** integrates with **Wind** via the portal and trussed frame wizards.

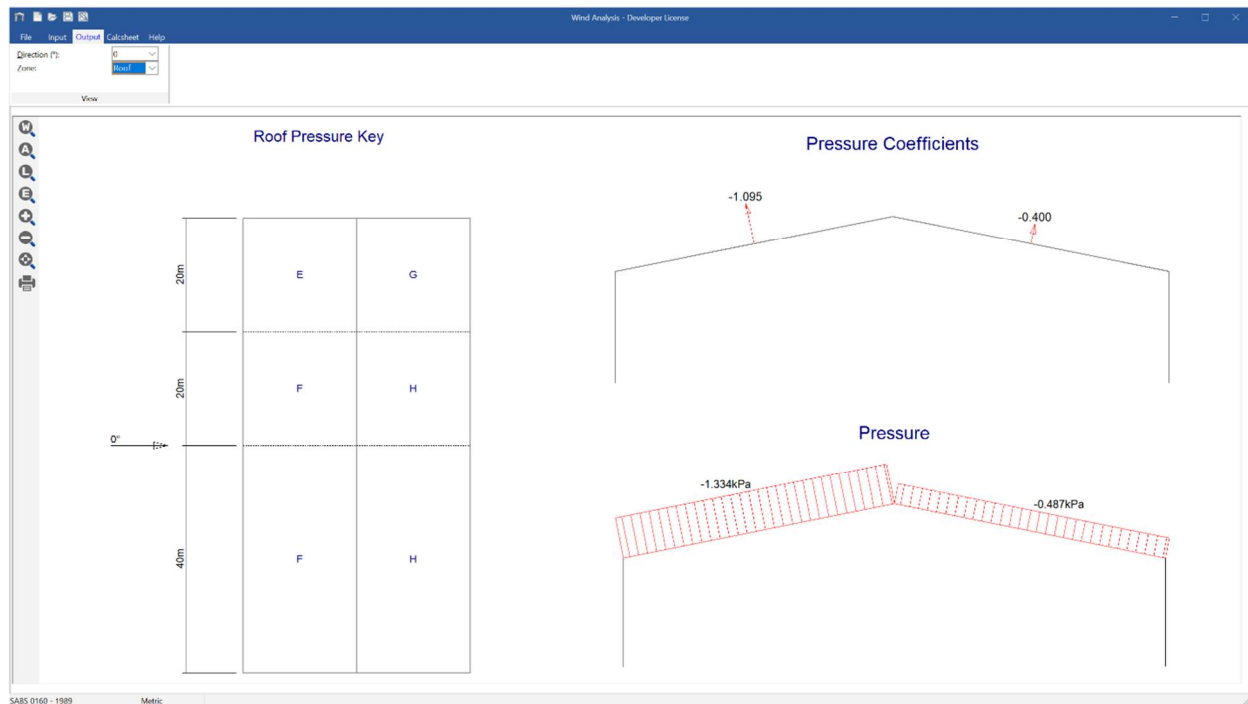




# WIND

CODE BASED WIND ANALYSIS OF RECTANGULAR  
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ANALYSIS | G02

The output includes diagrams showing the pressure on critical zones for various wind directions.



## Workflow

**Frame** and **Sumo** integrates with **Wind** via the portal and trussed frame wizards.

## Supported Design Codes

### Design Codes

- AS/NZS1170.2:2011
- BS EN 1991-1-4:2005
- SABS 0160 – 1989
- SANS 10160-3:2011
- SANS 10160-3:2018
- SANS 10160-3:2019
- SP 20.13330.2016
- SS EN 1991-1-4:2009



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