





## THE METHODOLOGY

Clearly describe the method and means used to carry out the work. The work may require an analytical approach including advanced mathematics and formulation. Or it may require computer simulation using commercially available software such as Finite Element Analysis (FEA) or Computational Fluid Dynamics (CFD) as examples. The work may further require experimental studies using specific tools and apparatus.

## ANALYTICAL WORK

The analytical work section describes a proposed theory or a descriptive model, if available. It does not contain results nor should extreme mathematical details be provided. Sufficient detail (mathematical or otherwise) should be provided for the reader to clearly understand the physical assumptions associated with a theory or model.

## COMPUTER SIMULATION

The computer simulation modeling should be based on physical modeling of the work to be carried out. All assumptions should be stated clearly. Appropriate commercially available software could be used by justifying its use in the study, preferably following a benchmark study.

## EXPERIMENTAL WORK

The experimental work section is intended to describe how experimental results were obtained. Provide an overview of the approach, test facilities, validations, and range of measurements. As a rule of thumb, provide just sufficient detail to allow the experiment to be conducted by someone else wishing to carry out a similar study. Do not give instructions or commands to the reader; rather report what was done. A list of equipment is included in the report. It should be a table in bod

presentation of results are figures and tables. All of the figures and tables should be numbered and have descriptive titles. Column heads in tables should accurately describe the data that appear in the text of the Results section. Since you have spent significant time in preparing the plots and tables, you

