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Abstract :

A computer code has been developed to predict the drag characteristics of missile configurations at subsonic, transonic and supersonic speeds and is based on semi-empirical methods. The method handles complex configurations (wing, body, tail, canard) and is valid upto high angles of attack. The code has been validated against a large number of experimental results particularly at supersonic speeds. The agreement between prediction and experiment is very good. Validation at subsonic and transonic speeds is in progress.