## Modelling Analysis of Heat Transfer Tate and Combustion Properties in I.C and Reciprocating Engines.

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Abstract : Extensive research work was reported in literature ,on modelling analysis of heat transfer studies and combustion properties IC engines and reciprocating engines. The analysis straightly differs in cases of IC and receprocating engines. The heat transfer rate from hot gasses determines the thermal efficiency of the engines. Further the combustion properties of the fuel also influences the engines performance. Model analysis was made to fix above characteristics. Though, extensive work was carried out in above areas, still a critical understanding of heat transfer rate and combustion of fuel is to be made. The issues and challenges have to be  fixed. Technologies have to be improved to address the issues. An attempt is made in this paper, to critically understand the work related to above areas till date and to fix the issues involved. Further the methodologies used to address the issues are reviewed. The present work offers a wide scope for improving the performance and efficiency of IC and reciprocating engines. The major contribution of the present work will be, to critically review and understand the existing literature on above areas and to fix the issues involved. This work paves  way for future work in this area.