

## **DESIGN OF WING WITH COMBINED FLAP AND AILERON**

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Even with the advent of new technological advancements in the field of aeronautics and avionics, the number of control surfaces in the aircraft are redundant. It is necessary to reduce the number of control surface so that the pilot is at ease during maneuvering so that he need to manage only few controls. Combined control surfaces are mostly used in short range aircrafts which include elevator, elevons, flaperons, etc.. The combined flap and aileron acts as a single control surface which performs the functions of both the flap and aileron effectively.

