Bumblebee and Dragonfly Aerodynamics in a Virtual Wind Tunnel

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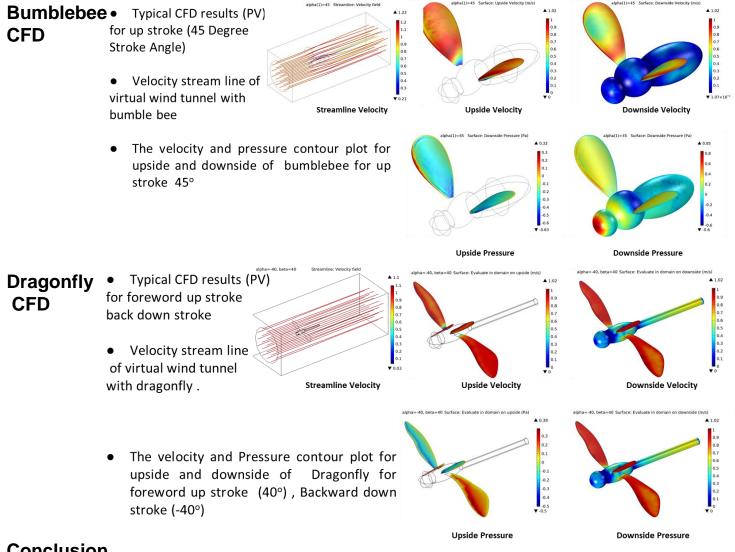
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Introduction

Bird inspired flight helped us to develop intercontinental flying long range aircraft with efficiency as comparable to transcontinental migratory birds. But, short range air travel, efficiency is much lower than short range flying birds and insects. Hence, in this paper, we investigate the flight behaviour of shorts range insects.





Conclusion

The computational design investigation and research outcome will be used to design novel personal air transport and short haul air cargo transportation.