

Technical Course for Coaches – Level 3 Boat to Boat Tactics



Boat to Boat Tactics

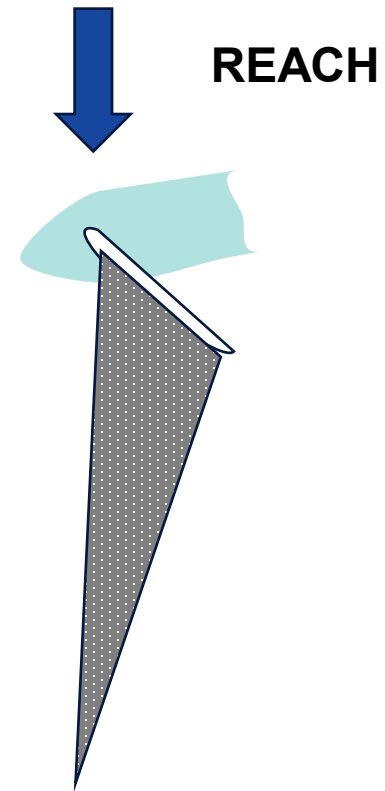
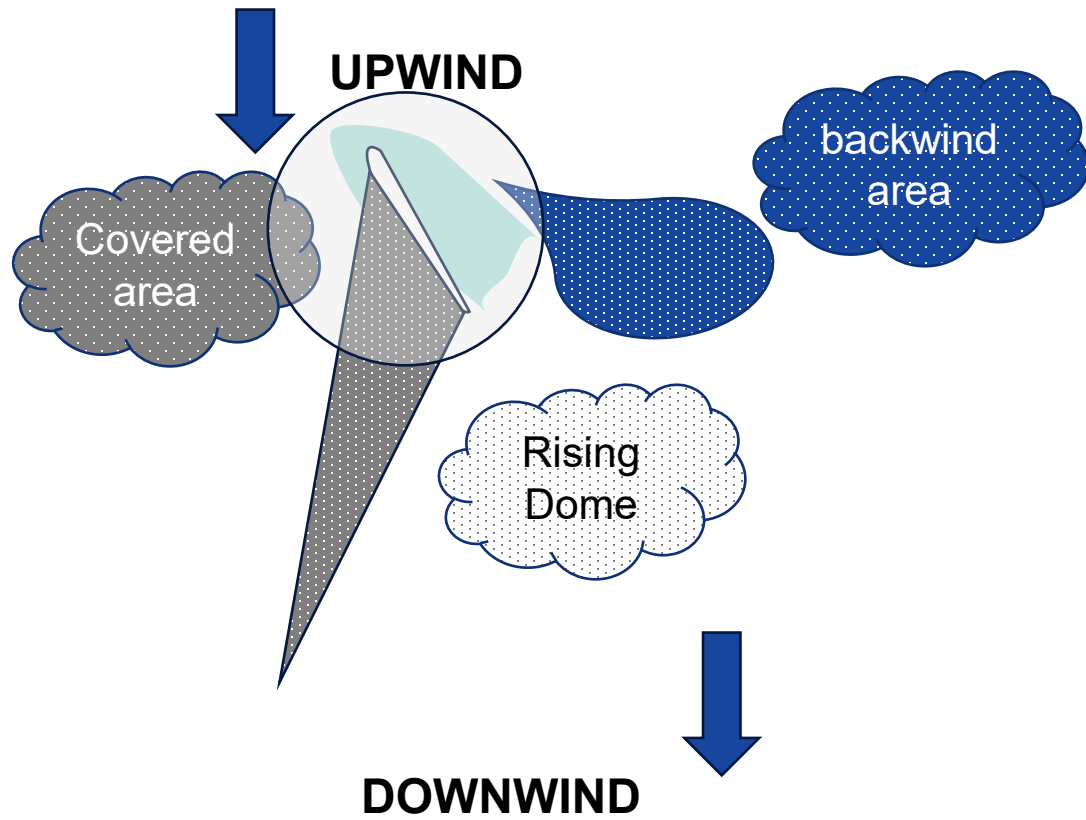
Let's start by watching this video from the FFVoile, showing match racing as seen from above.

<https://media.ffvoile.fr/chptsdefrance/videos/32169/le-match-racing-vu-d-en-haut-un-ballet-fantastique?rq=%2Fsearch%3Fq%3D%255BRun7888.com%255Dindia%2Bmatch%2Btime%2Btable-winner%2Bbet%2Bonline%25F0%259F%2590%25A0659%26t%3Dvideo%26p%3D2>

Tactical weapon....



- The “shaded areas” are areas with less power therefore the boats travel slower.
- The “shaded areas” is the major tactical weapon
- Shaded areas differ from boat to boat



Downwind attack



- First you need to figure out from where the wind enters your opponents sail
- Then you need to position your sail between the wind and the opponents sail.
- In this way your opponent slows down

Have in mind

**The effect on your opponents sail
can start 10ths of meters away!!**



Sailing Aerodynamics

Now watch this video from WB-Sails, which simulates Dragons on the run.

<https://www.youtube.com/watch?v=udoba8xcYzQ>

Downwind Attack

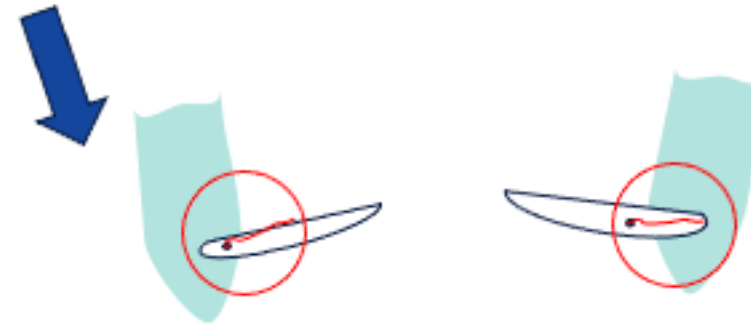


Find out from which side of the sail enters the wind. Then place your sail between the wind and the sail

Useful Hints

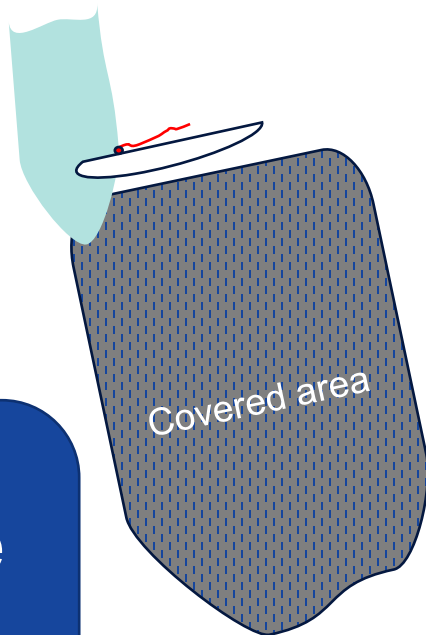
Check your opponent's
tell tails

Check your opponent's
windex

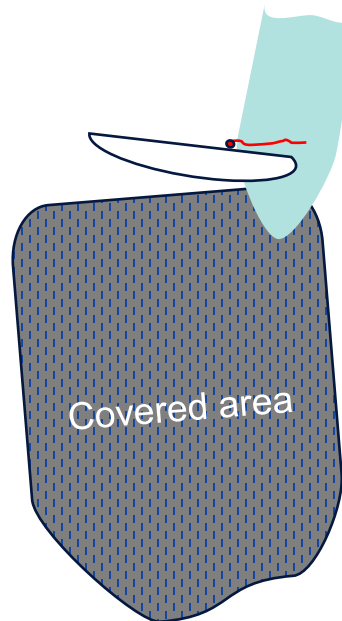




The wind enters the red boat's sail from windward



The wind enters the red boat's sail from the leeward

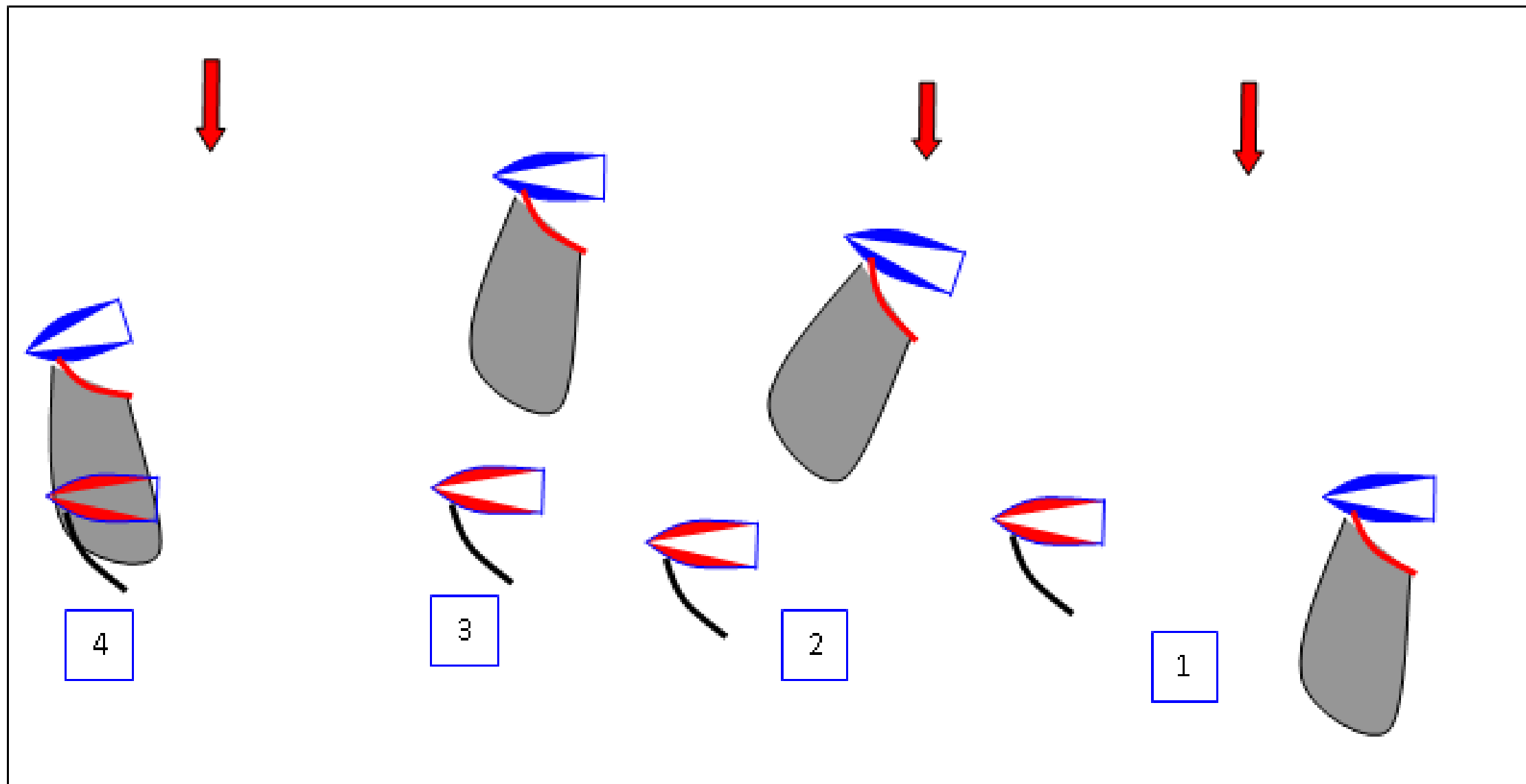


Attack on Reach - From windward side

In the lull sail to the windward of your opponent. Wait for the gust that you receive it some seconds earlier. Take advantage of this extra seconds of better speed to position your self nearer to your opponents sail. Repeat as necessary



Don't forget....
UP in the Lull
Down in the
gust

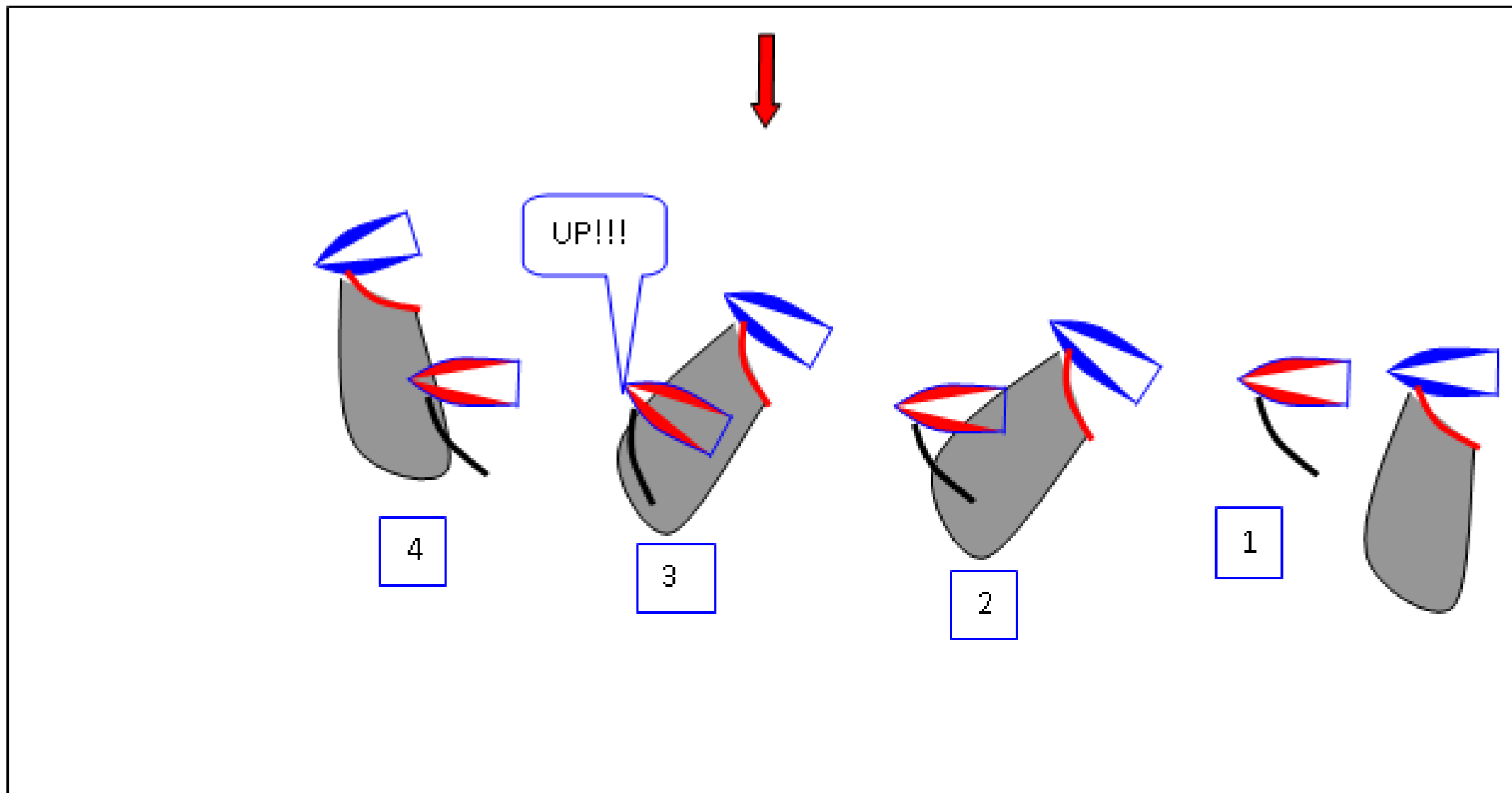


Attack on Reach - From Windward side

Put your bow directly behind your opponents stern . The turbulences effect will pull you nearer to the stern just like formula 1 and bicycle.

Take advantage of the extra speed and suddenly change direction to windward . The opponents instinct reaction is to protect his position by using his luffing rights.

This action places his sail directly to our shaded area

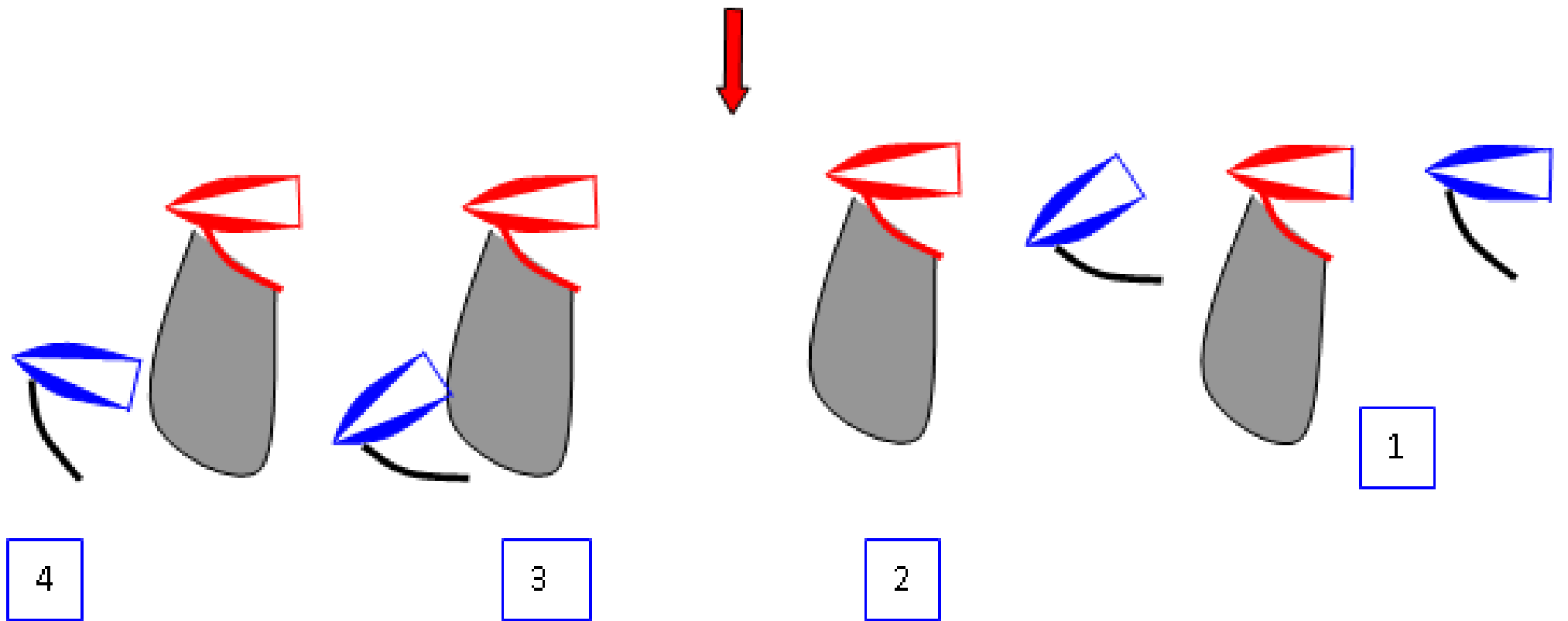


Attack on Reach - From leeward side

This maneuver requires strong wind and waves as well as excellent technical skills.

Wait for the proper gust and plane your boat. Using you speed pass vertical to the shaded area of your opponents.

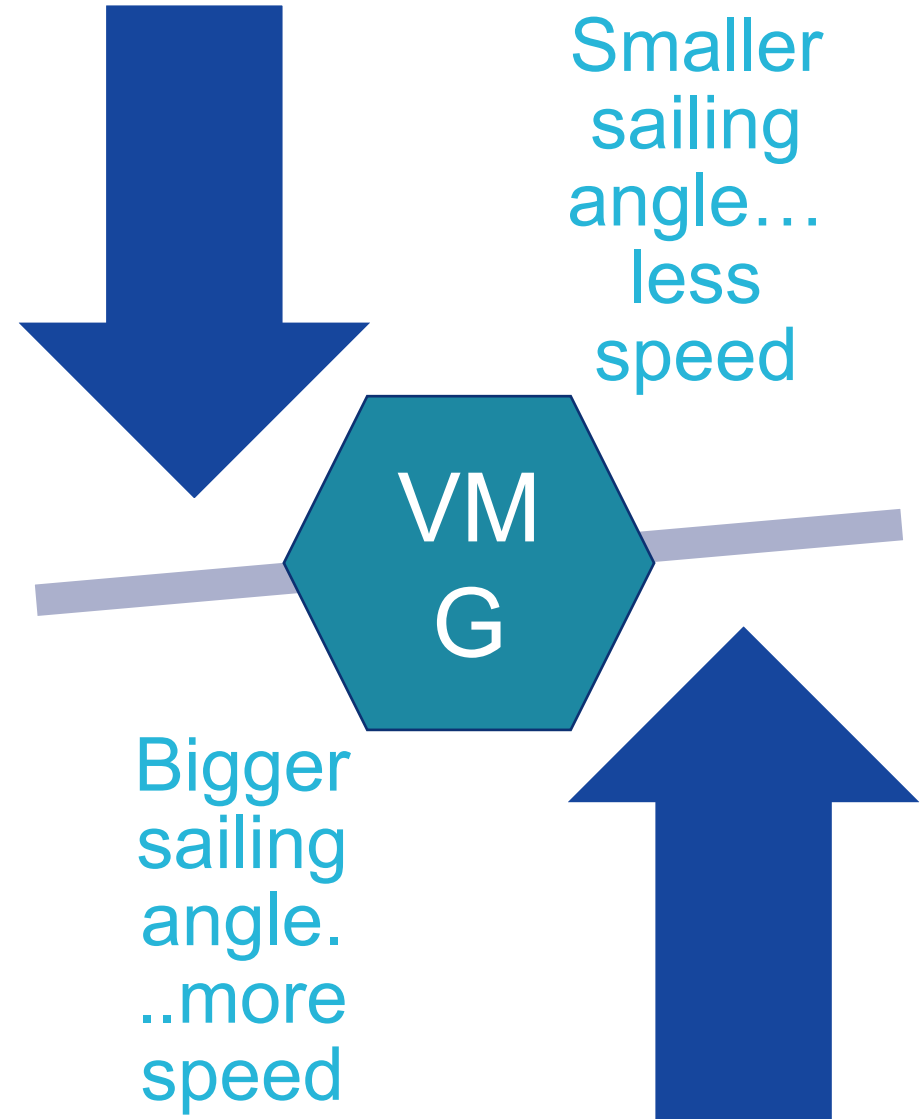
As the wind drops start sailing again to windward trying not to place you sail in the shaded area



Upwind attack – From Windward Side

This maneuver requires excellent technical skills as well as strength to hike

Change your heading some degrees off wind and use the extra speed to “cover” your opponent



Upwind Strategy and Tactics

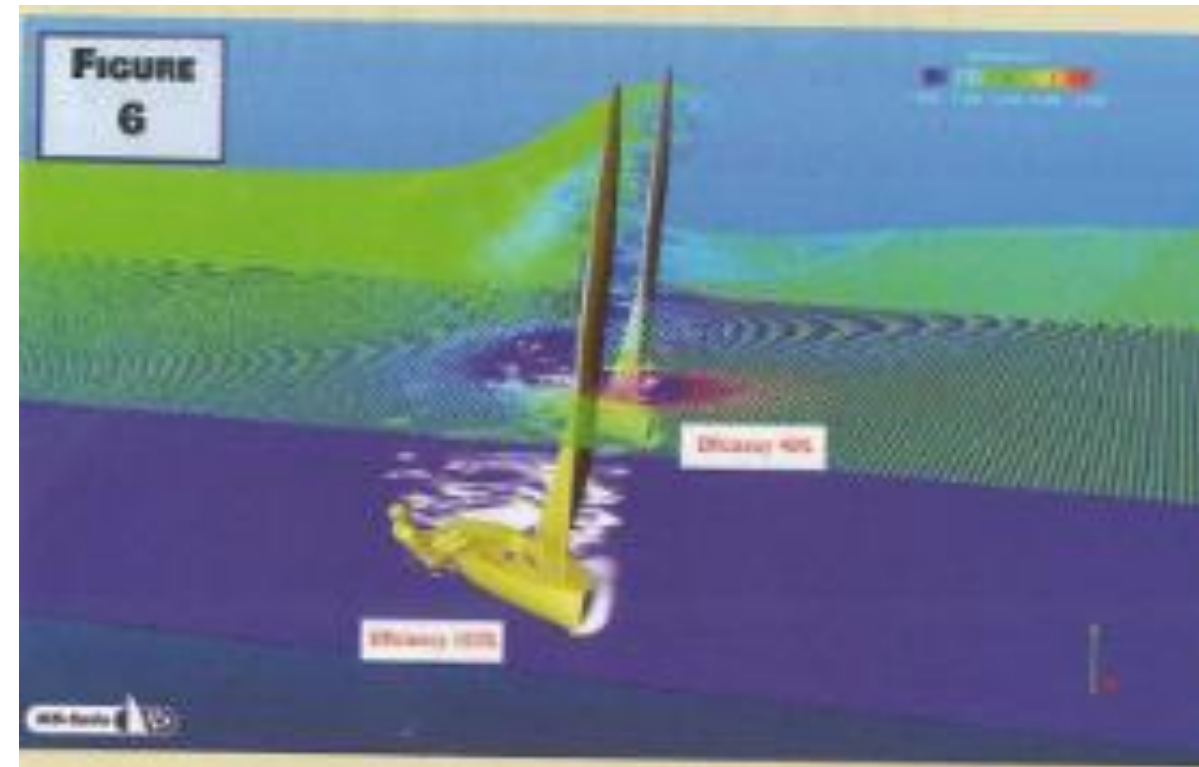
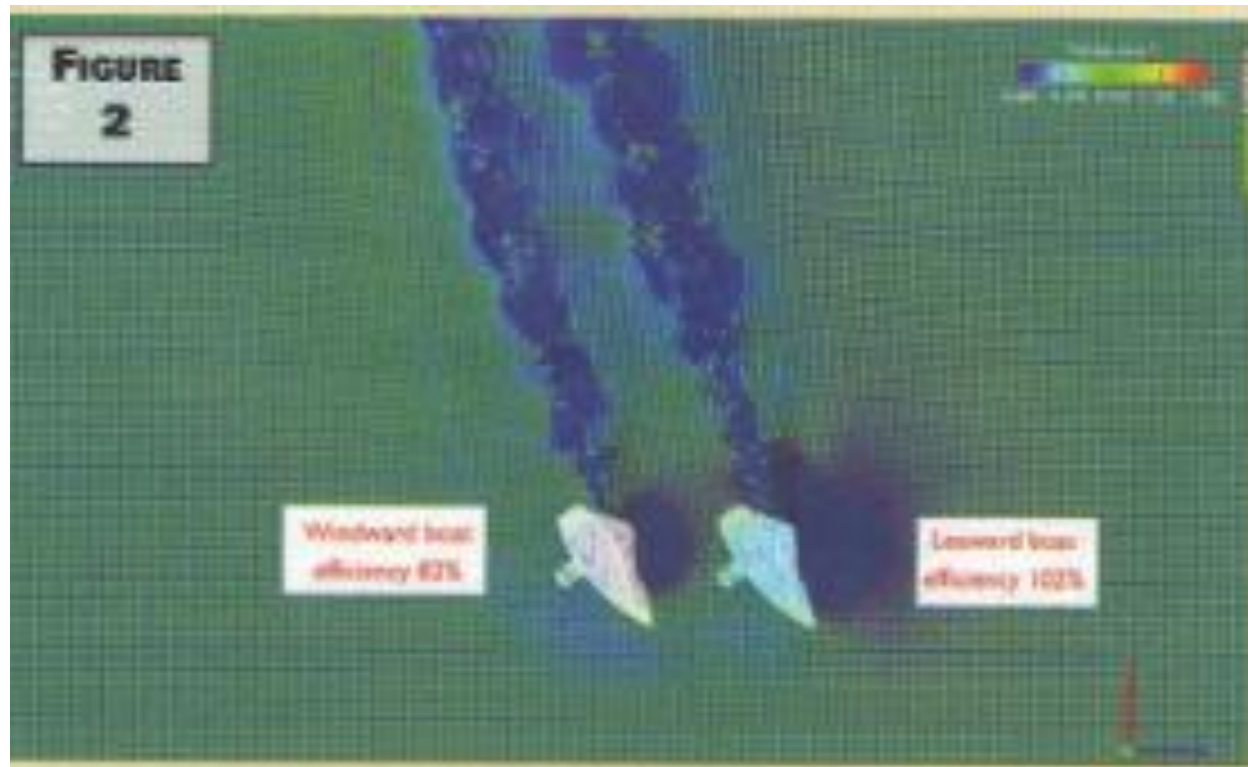
Now, watch this video from SailZing on Sailing in Clear Air.

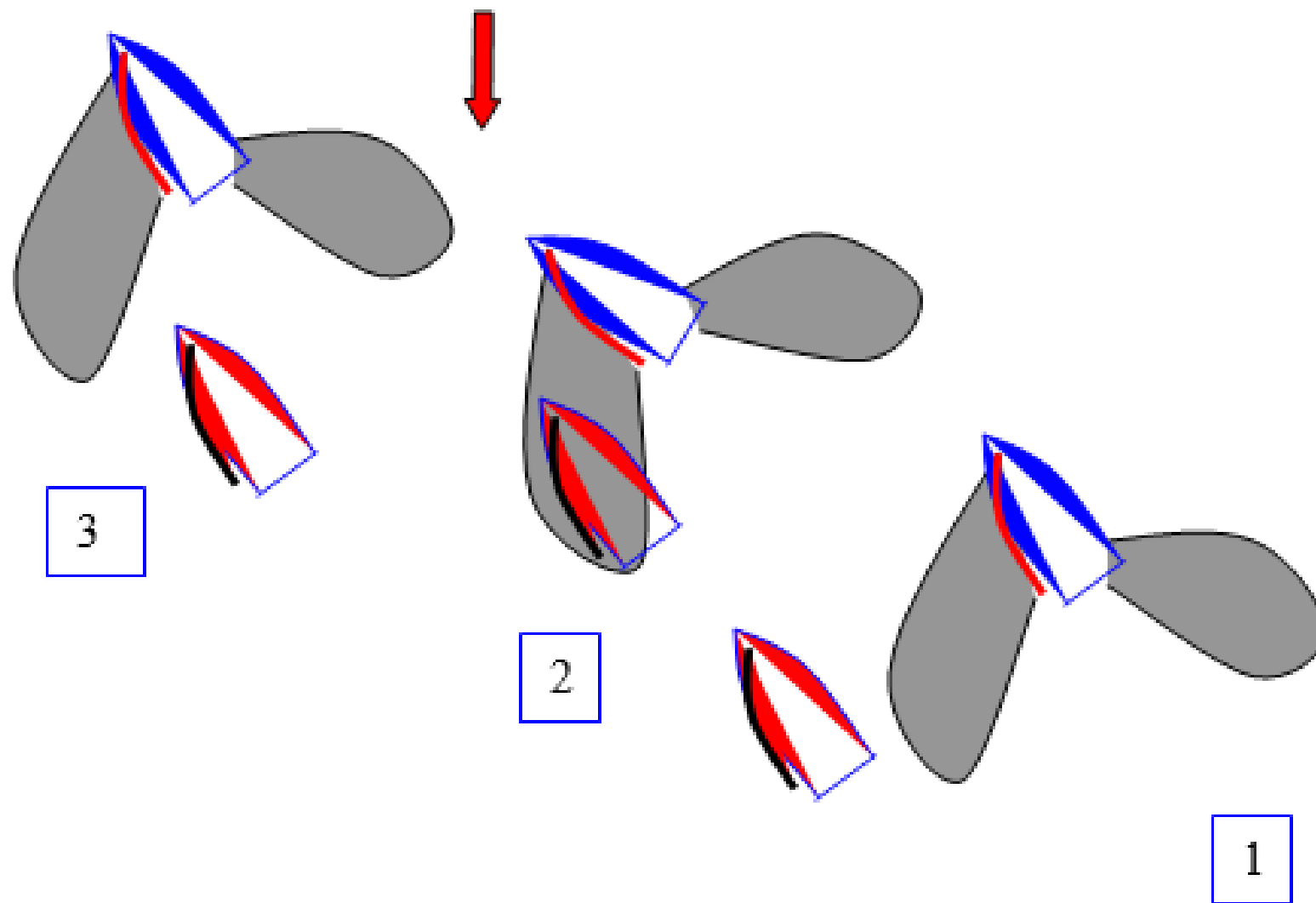
<https://sailzing.com/clear-air-upwind/>

Bad Air Upwind

Take a look at this video from WB-Sails showing bad air upwind.

[https://www.youtube.com/watch?v= nVg1b4z8ss](https://www.youtube.com/watch?v=nVg1b4z8ss)



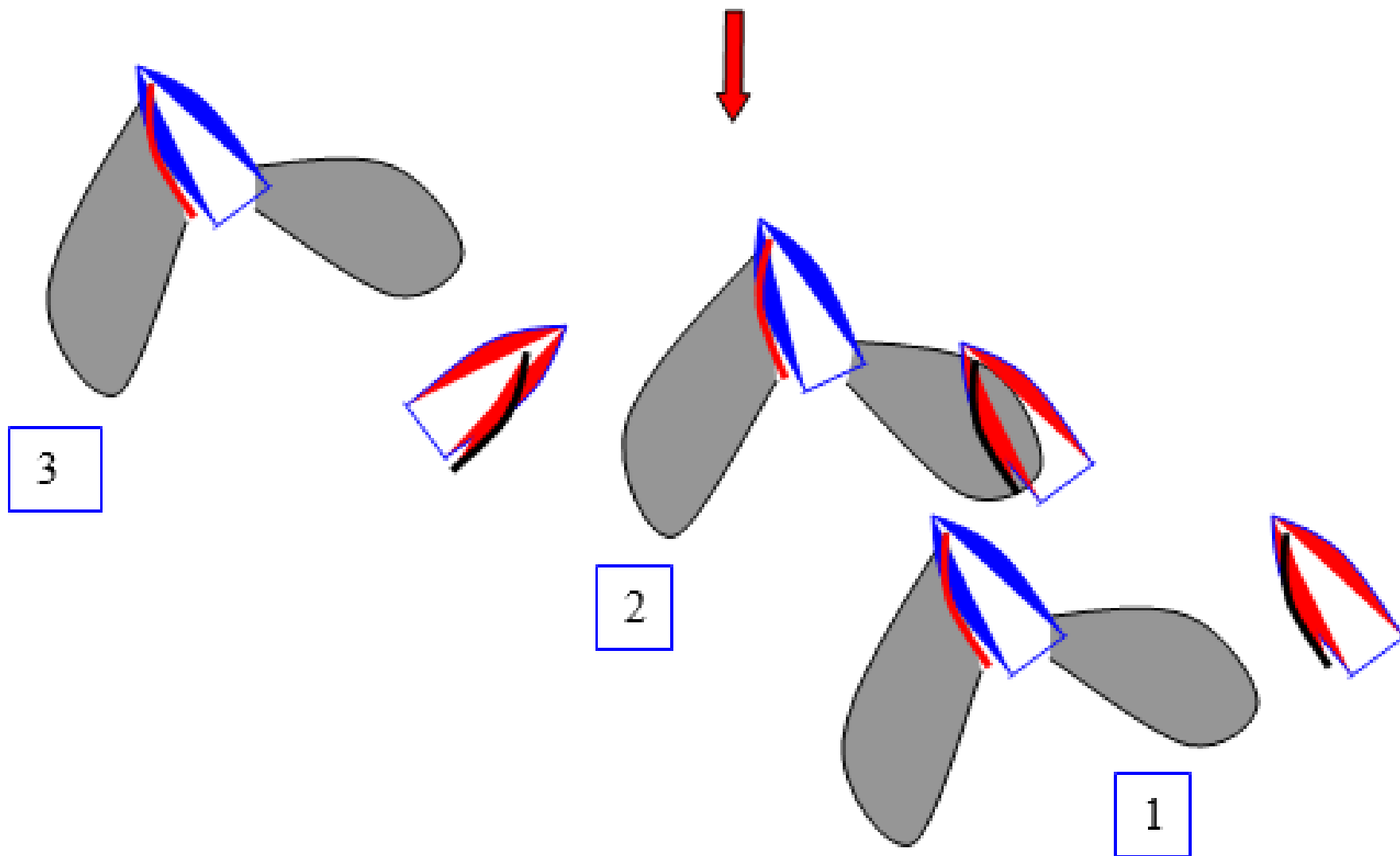


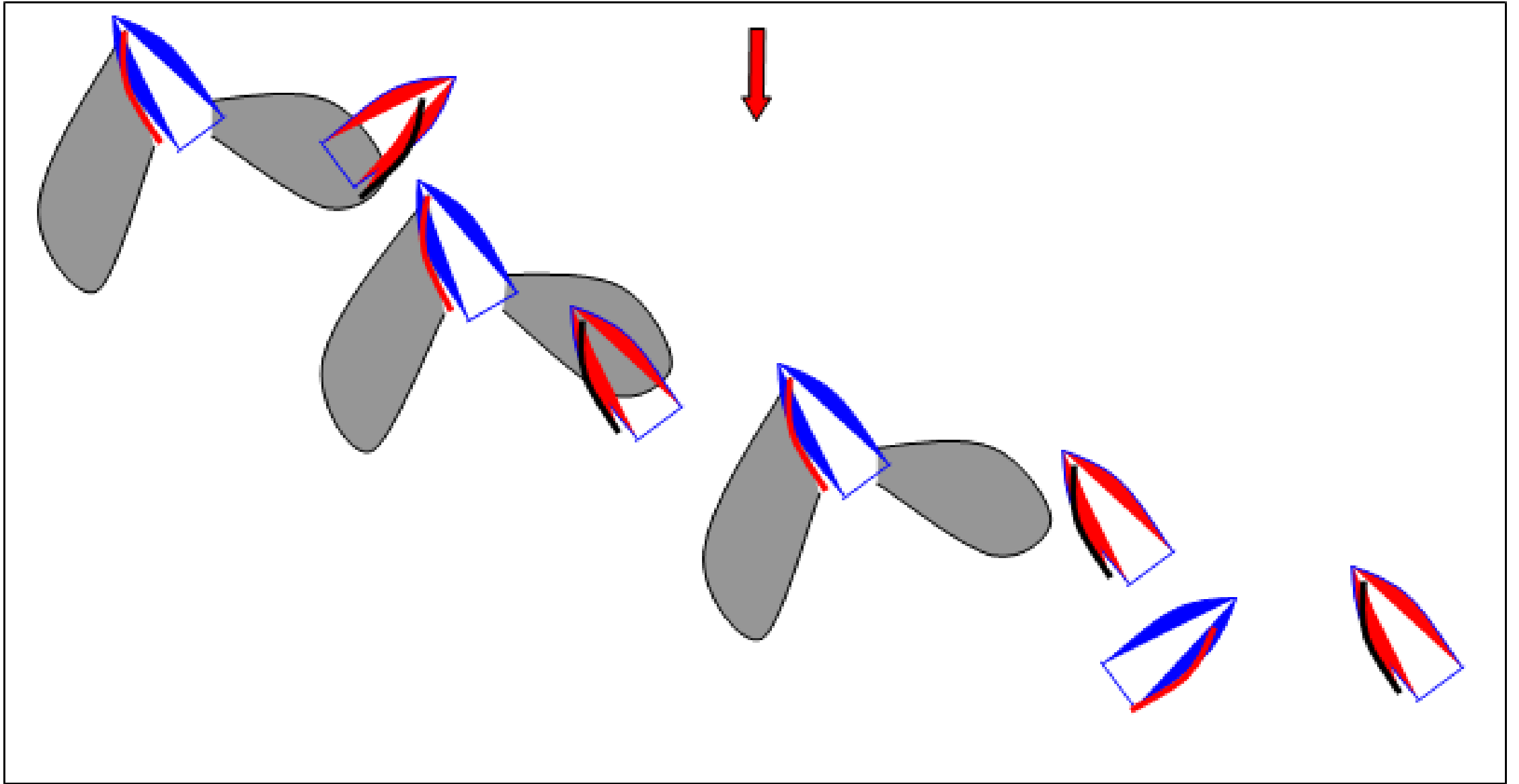
Upwind attack– From Leeward Side

Change your heading some degrees towards the wind and place your opponent to your windward shaded area.

Your opponent with less speed starts falling







Upwind attack – From Leeward Side

“Lee bow tack”

Tack to the leeward forward position and then sail closer to the wind to slow down your opponent



The timing and the distance is crucial as misjudgment can put you in the “corner”

Conclusion



Closing this chapter, it is imperative to point out the importance of sailing in clear wind.

In order to apply these techniques, you need to know your boat perfectly and this can only happen by working countless hours in the water