

RESULTING WIND ("RW") - USER MANUAL

The App "Resulting Wind" is specifically designed for sailors to calculate the wind that a boat (sail or motor) will experience while in motion e.g it calculates the vectorial (speed and direction) sum of the natural wind and the apparent wind.

(a) "Natural Wind" means the wind resulting from the current weather condition, independently from any movement of the boat.

(b) "Apparent Wind" means the wind one would experience simply from the movement of the boat.

The wind the boat would experience with absence of meteorological wind. Of course, the speed of such wind is exactly the same as the speed at which the boat is travelling while the direction of the wind will be the boat direction plus 180 degrees.

RW calculates the vectorial sum of the two winds which the boat in reality will experience.

In order to run the App, you first enter the unique App page. In this page you enter the direction and speed of the "natural wind" as provided by the current weather forecast or by simply recording the wind that you may be experiencing at the dock/anchorage.

Then you enter the expected direction and speed at your boat will be travelling.

Tapping, then, on the arrow, you will get the speed and direction of the wind that you will experience. Both, direction on the ground and direction relative to your bounding.

How many time you gone sailing with the expectation (and sail!) of having the wind on the beam or broad reach and finally (especially if your boat is quite fast) you had to face a tight reach?

RW will help you to avoid this situation in the future with a great degree of certainty even before leaving your anchorage.

Enjoy !