

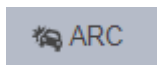
## How to access to ARC in RACTT 5.5



1- Access to the software from the Website: <https://www.sistema.ractt.com/login>



2- In the top menu you will find the "ARC" tab



3- Once you have entered the tab, you can select the number of vehicles involved, the time frames to analyze and if you want to print the ARC table

The screenshot displays the RACTT 5.5 software interface. On the left is a navigation menu with categories like Mathematics, Kinematic, Center of mass, Drag factor, Work-Energy, Speed calculations and  $\Delta V$ , Rotation-translation, Vault & Fall, Momentum analysis, Pedestrian Impact, Motorcycles, Hidroplaning, Moment of Inertia and C.G., Rollovers and Yaws, Crush, Velocity Change -  $\Delta V$ , Avoidance Analysis, Statistics, and Curb impact. The main window shows a form titled 'ARC' with the following fields and controls:

- Vehicle Quantity:** A dropdown menu set to '1'.
- Fraction of time to analyz:** A text input field containing '0.2'.
- Print:** A button with a printer icon.
- ARC Vehicles:** A section header.
- First name:** A text input field.
- Pre-collision movement:** A dropdown menu set to 'MRU'.
- Pedestrian:** A checkbox that is currently unchecked.
- Initial velocity:** A text input field.
- Initial speed unit:** A dropdown menu set to 'm/s'.
- Impact Speed:** A text input field.
- Impact speed unit:** A dropdown menu set to 'm/s'.
- Estimated reaction time:** A text input field.
- Pre-impact time to consider:** A text input field.
- Deceleration:** A text input field.
- Buttons:** 'Save' (grey) and 'Calculate' (orange) buttons at the bottom.

4- Then, in the fields corresponding to each vehicle, you must load variables such as identification, type of movement prior to the collision, if it is a pedestrian, impact and circulation speeds, reaction times and pre-impact; and the deceleration factor.

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
5- Finally, use the "calculate" button and the RACTT Platform will show a table with the positions, speeds and states of the vehicles in the time frames that you want to analyze in the pre-impact time.

The screenshot shows the RACTT software interface. On the left is a navigation menu with categories like Motorcycles, Hidroplaning, Moment of Inertia and C.G., Rollovers and Yaws, Crush, Velocity Change - ΔV, Avoidance Analysis, Statistics, and Curb impact. The main area contains input fields for vehicle data:

- First name:** Jeep Grand Cherokee
- Pre-collision movement:** MRU
- Pedestrian:**
- Initial velocity:** 25
- Initial speed unit:** Km/h
- Impact Speed:** (empty)
- Impact speed unit:** m/s
- Estimated reaction time:** (empty)
- Pre-impact time to consider:** 3
- Deceleration:** (empty)

Below the input fields, there are buttons for "Save", "Vehicle #1 (Ford Focus)", "Vehicle #2 (Jeep Grand Cherokee)", and "Calculate". A hand cursor is pointing at the "Calculate" button. Below these buttons is a table with the following data:

Weather	Position 1	Speed 1	State 1	Position 2	Speed 2	State 2
-	0.00	11.99	Collision	0.00	25.00	Collision
-	0.20	16.94	Slowing down	1.39	25.00	Circulating
-	0.40	21.89	Slowing down	2.78	25.00	Circulating
-	0.60	26.83	Slowing down	4.17	25.00	Circulating
-	0.80	31.78	Slowing down	5.56	25.00	Circulating
-	1.00	36.72	Slowing down	6.94	25.00	Circulating
-	1.20	41.67	Slowing down	8.33	25.00	Circulating
-	1.40	46.61	Slowing down	9.72	25.00	Circulating
-	1.54	50.00	Slowing down	10.69	25.00	Circulating
-	1.60	50.00	Circulating	11.11	25.00	Circulating
-	1.80	50.00	Circulating	12.50	25.00	Circulating
-	2.00	50.00	Circulating	13.89	25.00	Circulating
-	2.20	50.00	Circulating	15.28	25.00	Circulating
-	2.40	50.00	Circulating	16.67	25.00	Circulating
-	2.60	50.00	Circulating	18.06	25.00	Circulating
-	2.80	50.00	Circulating	19.44	25.00	Circulating

5- To print your table you must have the option  activated and then print the project with the button  (For more information see the instructions "How to print your project")

## TECHNICAL SUPPORT R.A.C.T.T. ©

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