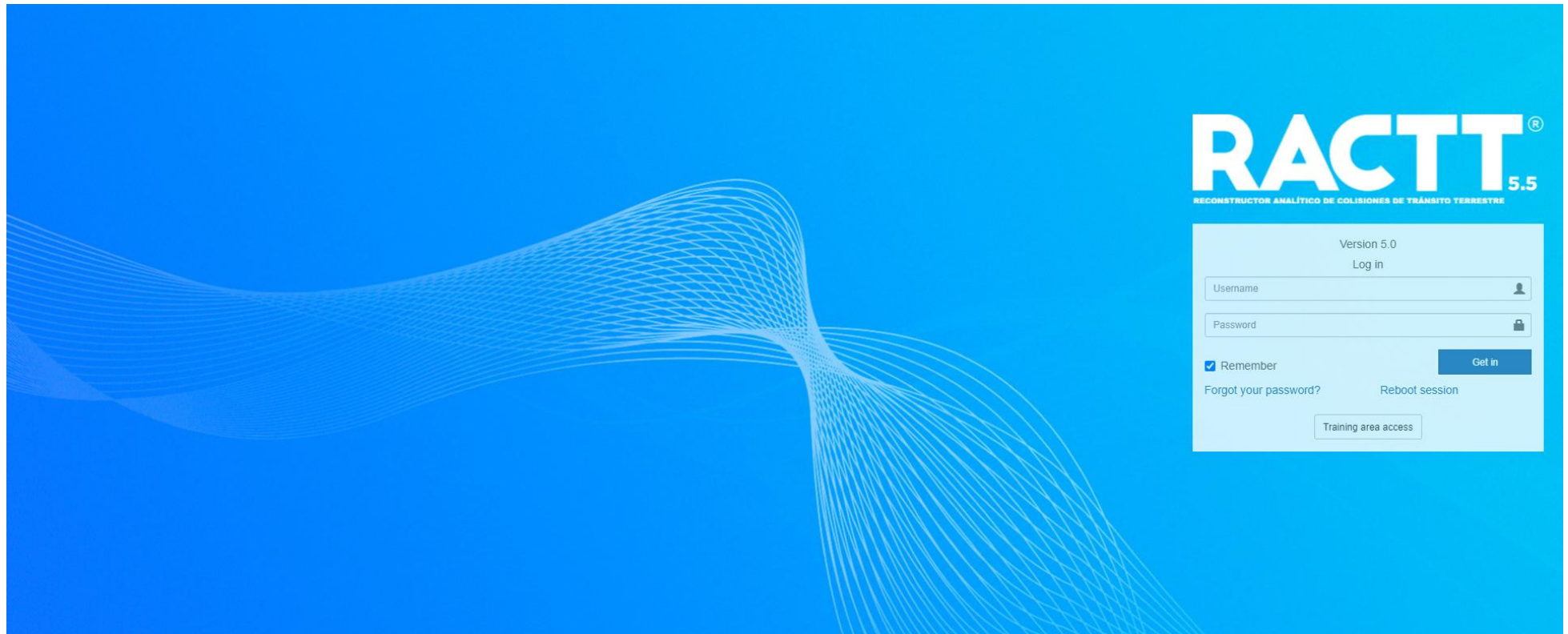
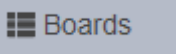


## How to access the tables of RACTT 5.5

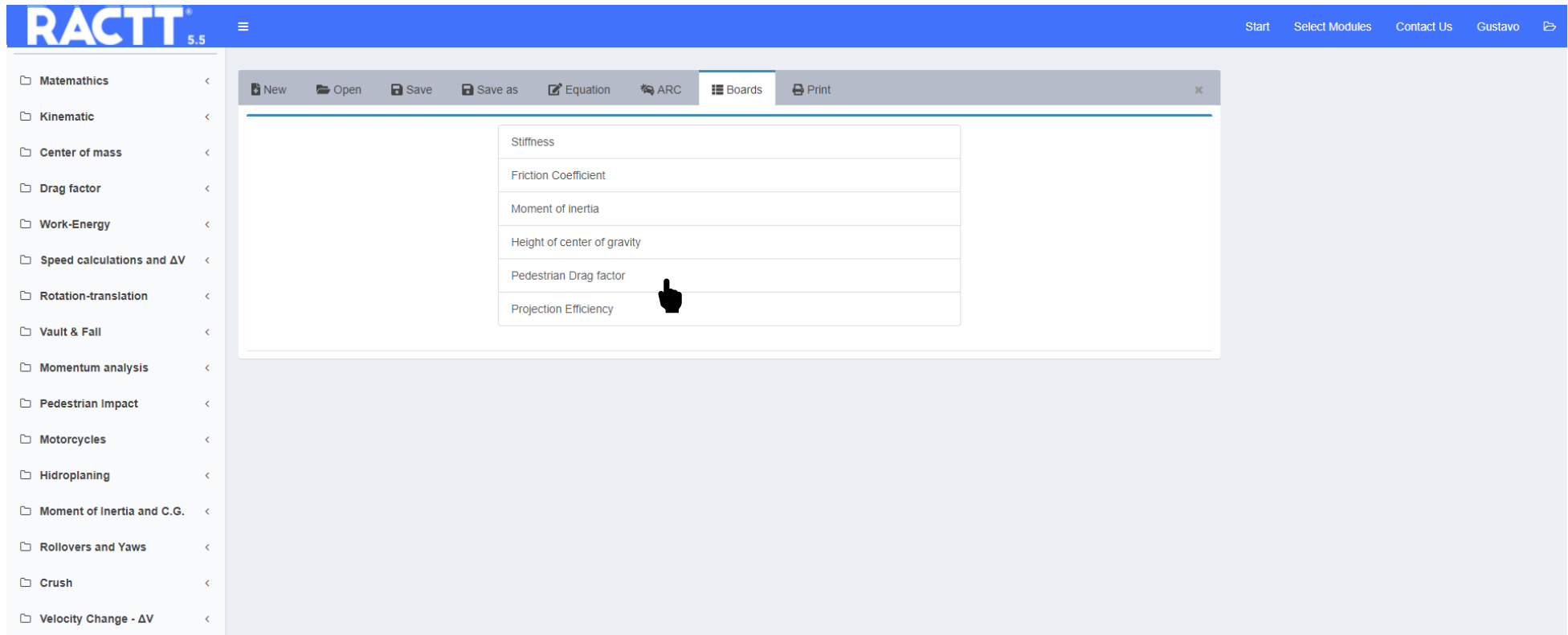


1) Access the program from the Web: <https://sistema.ractt.com>



2) Click on the Boards button 

3) Once you have entered the tab you will see a list of available tables, select the one you wish to view



4) A new window is opened containing the details to be considered, values and source of origin. You can search within the table for a certain condition and you can scroll through the various pages of the table.

The screenshot displays the RACTT 5.5 software interface. A modal window titled "Pedestrian Drag factor" is open, showing a table of data. The table has four columns: Author, Trajectories, Drag Factor, and Notes. The data is as follows:

Author	Trajectories	Drag Factor	Notes
Schmidt	Skidding	0.7	This formula addresses the difference between the height of the center of mass of the pedestrian at impact and the maximum projectile height of that center of mass in post-impact movement
Fricke	Skidding	0.45 – 0-7	Dry grass
		0.45 – 0.6	Dry asphalt
		0.4 – 0.65	Dry concrete
Wood	Skidding	0.43 – 0.69	Mathematical model based on horizontal pedestrian projection speed in frontal collision
Word		0.43 – 0.53	Wet surface
		0.5 – 0.72	Dry surface
Schneider	Bounce	0.82 – 1.02	Pedestrian with clothes on asphalt
Collins	Bounce	0.8 – 1.2	Pedestrian projected from motorbike
Haight	Bounce	0.8 – 1.22	Pedestrian projected from bike

At the bottom of the table, it says "Showing 1 to 10 of 23 entries". There are pagination controls: "Previous", "1", "2", "3", "Next". A mouse cursor is pointing at the "2" button. Below the table, there is a citation: "Pedestrian Involved Traffic Collision Reconstruction Methodology" J. J. Eubanks & W.R. "Rusty" Haigh. SAE 921591. A "Close" button is located at the bottom right of the modal window.

5) Another way to access the tables is by clicking on the button to the right of the tabulated variable when entering the data to be calculated for the model. For example

The screenshot shows the RACTT 5.5 software interface. The main window displays the 'Searle Model-Minimum velocity' configuration screen. At the top, there is a navigation sidebar with categories like 'Mathematics', 'Kinematic', 'Center of mass', 'Drag factor', 'Work-Energy', 'Speed calculations and ΔV', 'Rotation-translation', 'Vault & Fall', and 'Momentum analysis'. The 'Pedestrian Impact' category is expanded, showing options like '1. Searle Model', '2. Wood model', '3. Happer model', '4. Searle Model with slope', '5. Projection Efficiency', and '6. Bicycle Speed-SAE 900368'. The main area shows the equation 
$$v = \sqrt{\frac{2 \cdot g \cdot \mu \cdot d}{1 + \mu^2}}$$
 and the title 'Searle Model-Minimum velocity'. Below the title, there is a 'Constants' section with 'g: Acceleration of gravity' set to 9.81 [m/seg²]. A 'Variable' table is shown with columns for 'Variable' and 'Action'. The 'Friction coefficient' row has a table icon highlighted with a red box and a mouse cursor pointing to it. The right-hand panel shows a 'Delete Selected Equation' button and a list of equations, with '1.1. Searle Model-Minimum velocity' selected.

6) This option will take you to the table corresponding to the variable you are calculating.

#### TECHNICAL SUPPORT R.A.C.T.T. ©

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