~~Design Analyzer~~

Design Analyzer

1.0 Purpose

The VehicleFORGE **Design Analyzer** is the online version of the **Dashboard**.

2.0 How to Access

The Design Analyzer can be invoked from the (VehicleFORGE/Project Navigator).

3.0 Use

To overview/analyze designs on VehicleFORGE, you have to:

- Upload designs to your Team's repository
- Go to your Team's **Project Navigator** (should be accessible through the sidebar of your Team home) and find the project/design you have uploaded
- If you want to open an entire project to analyze, just locate the CyPhy project with its designs on the bottom of the screen and click on its file name
- If you want to merge together designs from separate CyPhy projects, focus on filtering the collection on the top part of the screen. Once you have the right selection of designs, click on the action button to get to the design a analyzer (Dashboard)

Project Navigator

Finalists(16) | Mass-Spring-Damper(3) | Non-categorized(77) | Pre-Finalists(12)

Non-filtered design in this group `9`

GROUP FILTERS

342   SCORE   7231

TB Runs to exclude

Projects to exclude

Authors to exclude

HIDE EMPTY

Use Actions/Analyze Designs to compare collected designs

Ordering: score   Coloring: score   Actions

Analyze designs

Click on file name to analyze an entire CyPhy project

design/Personal/Annie/results_light_2013041... `1 / 20`
7/2/2013 20:33   Reset filtering

design/Personal/drach/4_11c_submission/ma... `1 / 7`
7/2/2013 20:33   Reset filtering

design/Personal/drach/results_light_2013041... `1 / 2`
8/4/2013 16:16   Reset filtering

Ordering: score   Coloring: score   Actions

Ordering: score   Coloring: score   Actions
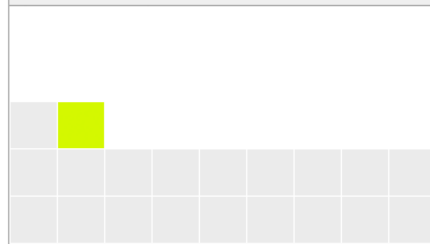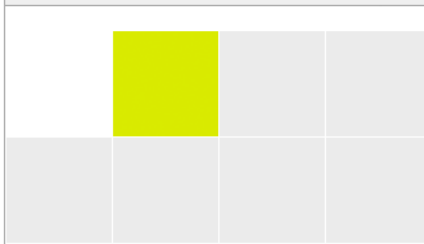
Ordering: score   Coloring: score   Actions

design/Personal/Annie/4_09_...mission/m... `1 / 8`
...3 16:16   Reset...

design/Personal/Annie/4_09_c_submission... `1 / 8`
...2013 16:16   Reset...ering

design/P...nal/drach/4...n_subm...
8/4/2...

After clicking on the Analyze Designs button, the forge opens the design you had in your collection for analysis.

FANG

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Project Analyzer

View in new window

Project Analyzer

[FANG: SURVIVABILITY / HUMAN FACTORS CHALLENGE] | BETA TESTING

FANG | SUCCESS

Global Settings   Version 0.194

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ANALYSIS TOOLS

Project Navigator

Scoring

| Requirements Analysis | Design Space | Design Space Analysis | Multi-Attribute Decision Analysis | ! Limit Violations Summary | File Load Summary |

↻ Refresh   ❓ Help

Design Info Box

Configuration: DriveLine_cfg11 ⇕   ☰ Add to Compare

Show 10 ⇕ entries   Search: _____

Variables ▲	Test Bench ⇕	Values ⇕	Units ⇕
Acc10kph	no_controls_dassl_pp_heat_airflow_grade3	4.94	s
Acc10kph	no_controls_dassl_pp_speed	4.94	s
Acc15kph	no_controls_dassl_pp_heat_airflow_grade3	7.05	s
Acc15kph	no_controls_dassl_pp_speed	7.05	s
CoolingCartAirFlow	no_controls_dassl_pp_heat_airflow_grade3	3.74	kg/s
Crr (P)	no_controls_dassl_pp_heat_airflow_grade3	0.01	
Crr (P)	no_controls_dassl_pp_speed	0.01	
DistanceCovered	no_controls_dassl_pp_speed	77.4	m
DriveShaftLossValue (P)	no_controls_dassl_pp_heat_airflow_grade3	0.97	
Engine_Temperature	no_controls_dassl_pp_heat_airflow_grade3	23.2	C

Showing 1 to 10 of 18 entries   ◁ ▷

Requirements List

Requirements: DashboardForDavidPCCPET ⇕

Configuration: DriveLine_cfg11 ⇕   ☰ Add to Compare

The Design Analyzer is also accessible from the repository browser by clicking on *.project.json files.

📁 / 📁 driveline_25cfgs_2tbs_3cfgs_2PCC_1PCC_fail/

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🕐 History

file	commit	size	actions
📁 design-space ◁	[r23]Updated data set		
📁 designs ◁	[r23]Updated data set		
📁 requirements ◁	[r23]Updated data set		
📁 results ◁	[r23]Updated data set		
📁 test-benches ◁	[r23]Updated data set		
📄 index.html ◁	[r23]Updated data set	1 KB	⊕
📄 manifest.project.json ◁	[r23]Updated data set	1 KB	⊕