

Приложения на математиката

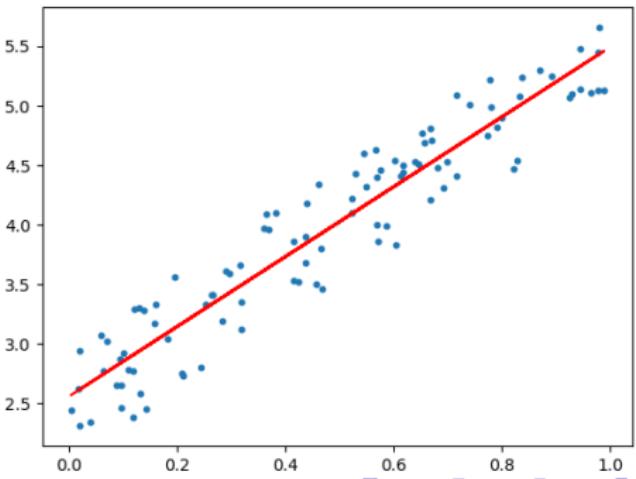
8 октомври 2019 г.

Съхранение и обработка на данни

1 • SELECT * FROM demo.dr_data_logs

Result Set Filters |

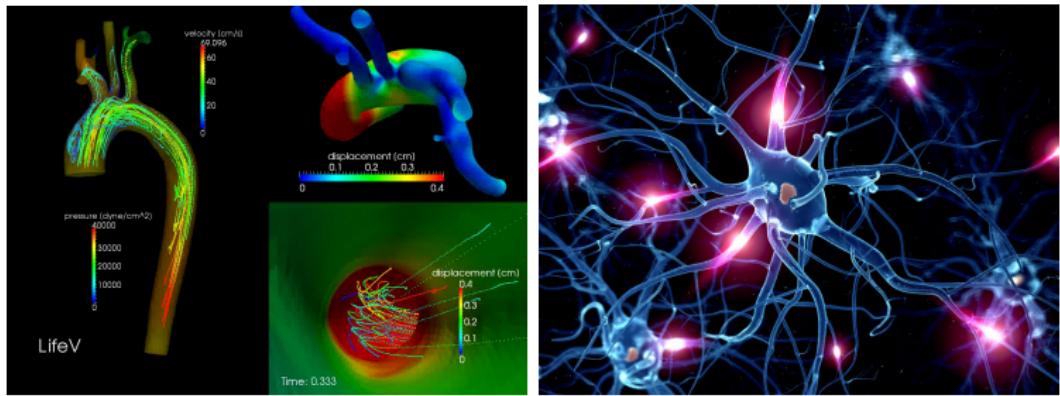
#_data_log_idx	accumulatorLevel	ambientHum	ambientTemp	dischargePressure	dischargeTemp	receiveLevel	valveDis/charge	valveRing	t_stop	quality_code
3	47	26.4933	33.391	60	146	89	1	1	2014-12-10 13:27:56	192
4	57	19.9225	85.7447	47.7906	101	92	0	1	2014-12-10 13:28:06	192
5	72	16.4381	79.6468	58.1398	127	78	0	1	2014-12-10 13:28:16	192
6	43	36.6532	76.3373	51.0541	129	95	0	1	2014-12-10 13:28:26	192
7	52	45.0714	42.024	53.9265	183	100	0	1	2014-12-10 13:28:36	192
8	71	30.8201	40.8197	52.9829	212	82	0	1	2014-12-10 13:28:46	192
9	87	16.1162	45.9842	55.7829	212	87	0	1	2014-12-10 13:28:56	192
10	106	47.421	49.8427	59.9695	212	65	0	1	2014-12-10 13:29:06	192
11	83	41.7329	62.0807	42.3037	207	86	0	1	2014-12-10 13:29:16	192
12	63	63.6765	39.1062	43.1212	212	82	0	1	2014-12-10 13:29:26	192
13	38	45.4447	33.0279	35.0007	181	77	0	1	2014-12-10 13:29:36	192
14	25	44.4667	13.821	17.8583	166	61	0	1	2014-12-10 13:29:46	192
15	14	48.4107	0	29.3972	204	55	0	1	2014-12-10 13:29:56	192
16	18	53.8296	10.8003	34.7522	168	57	0	1	2014-12-10 13:30:06	192
17	26	62.0534	50.1071	25.5804	212	42	0	1	2014-12-10 13:30:16	192
18	27	34.8423	56.7447	22.3417	154	65	0	1	2014-12-10 13:30:26	192
19	41	30.8379	54.7918	4.23015	195	49	0	1	2014-12-10 13:30:36	192



Приложения на математиката във финансите



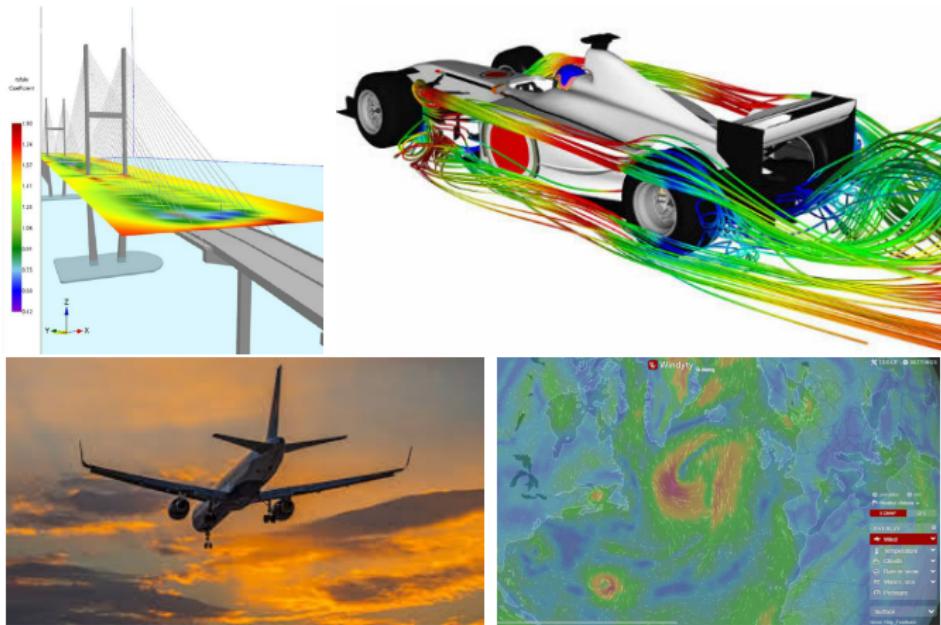
Приложения на математиката в медицината



<https://www.youtube.com/watch?v=S2vZtPXV7A0>

<https://www.youtube.com/watch?v=dSkxlpNs3tU>

Приложения на математиката в инженерните науки



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

<https://www.youtube.com/watch?v=2hB02VV8emk>

<https://www.youtube.com/watch?v=aBERfB5PI2Q>

<https://earth.nullschool.net/>

Приложения на математиката в развлекателната индустрия



<https://www.youtube.com/watch?v=jvIGFhqbe0c>
<https://www.youtube.com/watch?v=00kyDKu8K-k>

Приложения на математиката в развлекателната индустрия



[https://www.khanacademy.org/partner-content/pixar/
simulation/hair-simulation-101/v/hair-simulation-intro](https://www.khanacademy.org/partner-content/pixar/simulation/hair-simulation-101/v/hair-simulation-intro)
<https://www.youtube.com/watch?v=KDvffFzFIruQ>

Приложения на математиката при обработката на изображения

Example of Lossy Compression



Original Lena Image
(12KB size)



Lena Image,
Compressed 85%
less information,
1.8KB)



Lena Image, Highly
Compressed 96%
less information,
0.56KB)

