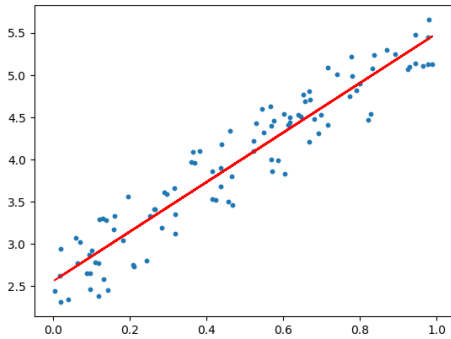


Приложения на математиката

8 октомври 2019 г.

Съхранение и обработка на данни

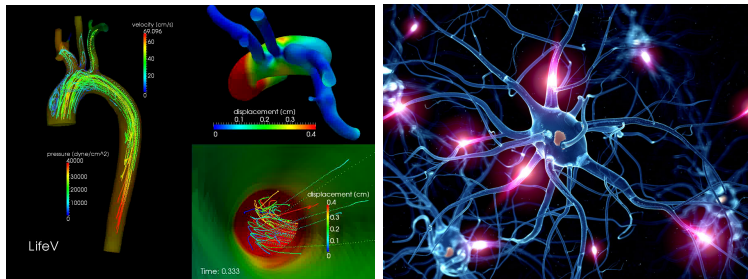
@_data_log_id	accumulatorLevel	ambientHum	ambientTemp	dischargePressure	dischargeTemp	receiverLevel	valveDischarge	valveFlag	t_stamp	quality_code
3	47	26.4903	83.291	60	146	89	1	1	2014-12-10 13:27:56	192
4	62	19.8226	89.7147	47.7995	101	82	0	1	2014-12-10 13:28:06	192
5	72	16.8261	79.6486	58.1380	127	70	0	1	2014-12-10 13:28:16	192
6	43	36.892	76.3373	51.0541	129	95	0	1	2014-12-10 13:28:26	192
7	52	45.0714	42.024	53.5285	189	100	0	1	2014-12-10 13:28:36	192
8	71	30.8201	40.8197	52.9825	212	82	0	1	2014-12-10 13:28:46	192
9	87	16.1162	46.5842	55.7529	212	87	0	1	2014-12-10 13:28:56	192
10	100	47.421	48.8427	58.9695	212	85	0	1	2014-12-10 13:29:06	192
11	83	41.7329	62.9807	42.3837	207	86	0	1	2014-12-10 13:29:16	192
12	63	63.675	39.1962	43.1212	212	82	0	1	2014-12-10 13:29:26	192
13	38	45.447	33.8279	38.0897	181	77	0	1	2014-12-10 13:29:36	192
14	28	44.6867	13.621	17.8883	166	61	0	1	2014-12-10 13:29:46	192
15	14	48.4107	0	29.3872	204	55	0	1	2014-12-10 13:29:56	192
16	18	63.8296	10.3003	34.7822	168	57	0	1	2014-12-10 13:30:06	192
17	26	62.0534	50.1371	25.5804	212	42	0	1	2014-12-10 13:30:16	192
18	27	34.8423	56.9747	22.3417	154	65	0	1	2014-12-10 13:30:26	192
19	41	30.8379	54.7918	4.23015	196	49	0	1	2014-12-10 13:30:36	192



Приложения на математиката във финансите



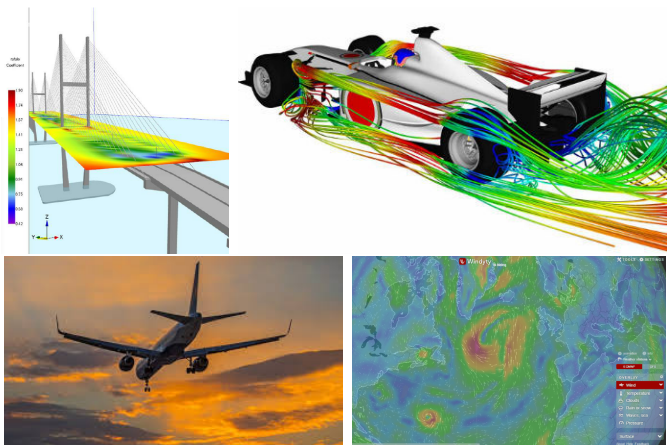
Приложения на математиката в медицината



<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.youtube.com/watch?v=KDvfFzFiruQ>

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)

