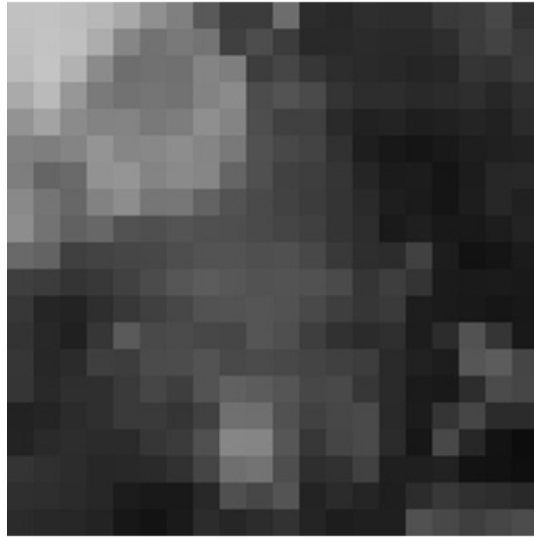


Úvod do Computer Vision



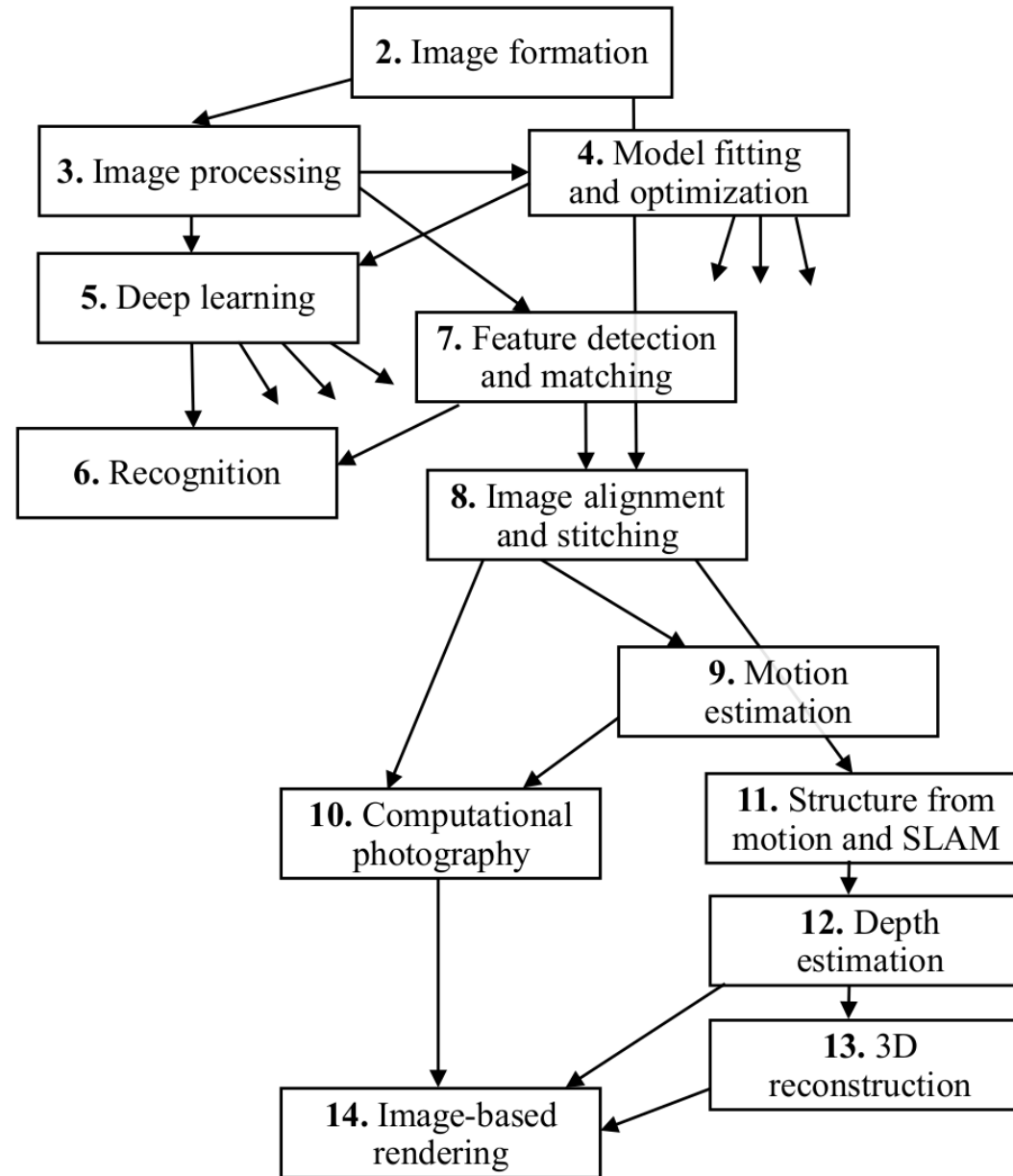
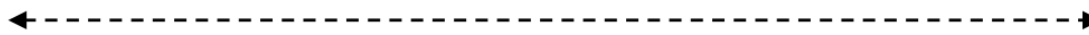


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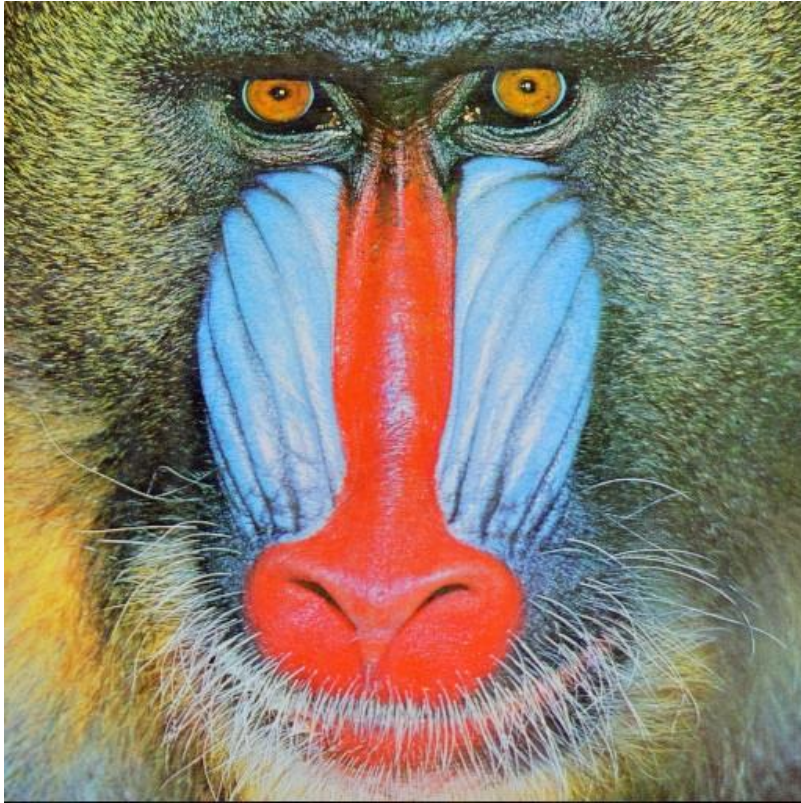
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191	195	192	173	134	114	121	116	64	77	60	41	41	43	41	41	46	60	67	57
187	196	178	139	110	113	112	132	126	61	70	55	45	42	40	37	39	53	50	59
170	186	151	122	114	117	114	131	139	76	83	74	52	45	45	41	43	46	39	47
147	163	139	131	132	121	125	143	132	78	64	64	42	33	35	30	32	36	33	43
129	126	132	148	134	136	141	133	121	81	72	67	49	30	24	21	25	30	32	34
126	101	106	146	149	132	138	134	101	80	65	62	53	37	27	28	21	28	39	40
137	117	103	130	141	118	119	99	83	74	66	60	52	42	30	27	21	29	39	33
141	115	97	103	82	79	84	80	79	74	69	64	52	45	26	31	25	25	29	35
105	99	64	67	70	71	78	83	83	79	80	72	57	46	44	65	29	18	21	27
63	60	52	56	65	75	86	92	87	82	83	81	74	53	62	52	27	26	27	25
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35	42	45	43	43	54	59	80	134	133	86	55	69	74	43	23	72	39	19	13
52	48	44	39	40	42	49	69	111	115	78	46	49	65	31	31	34	19	18	15
47	46	43	39	28	25	25	40	80	71	84	35	43	37	30	44	56	48	45	41
43	40	39	35	23	19	26	44	38	44	50	36	29	31	31	81	72	63	70	76

2D (*what?*)

3D (*where?*)



Mandrill, Cameraman, Lenna



Computer vision na UPJŠ

4 prístupy

Inžiniersky

Vedecký

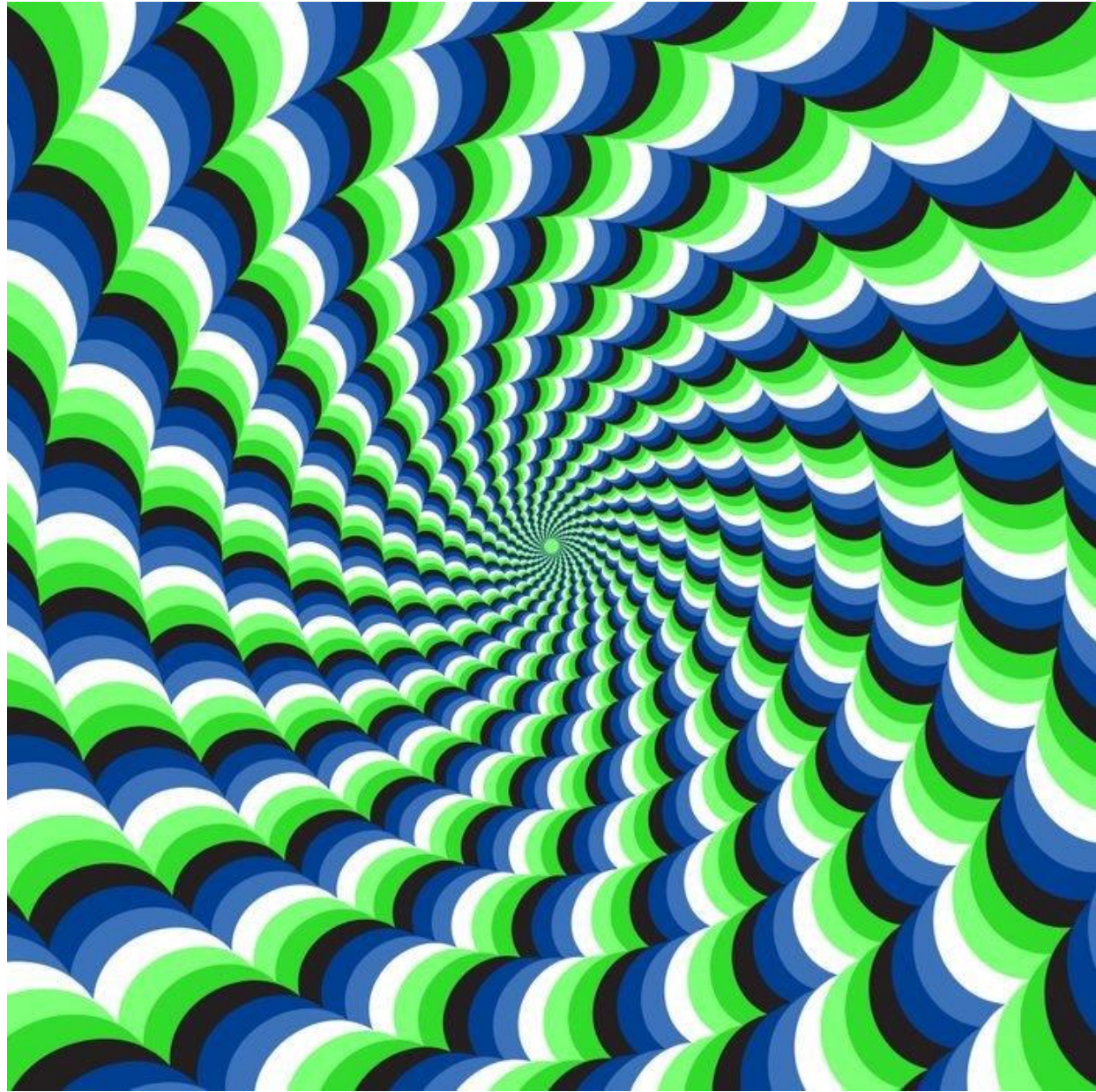
Štatistický

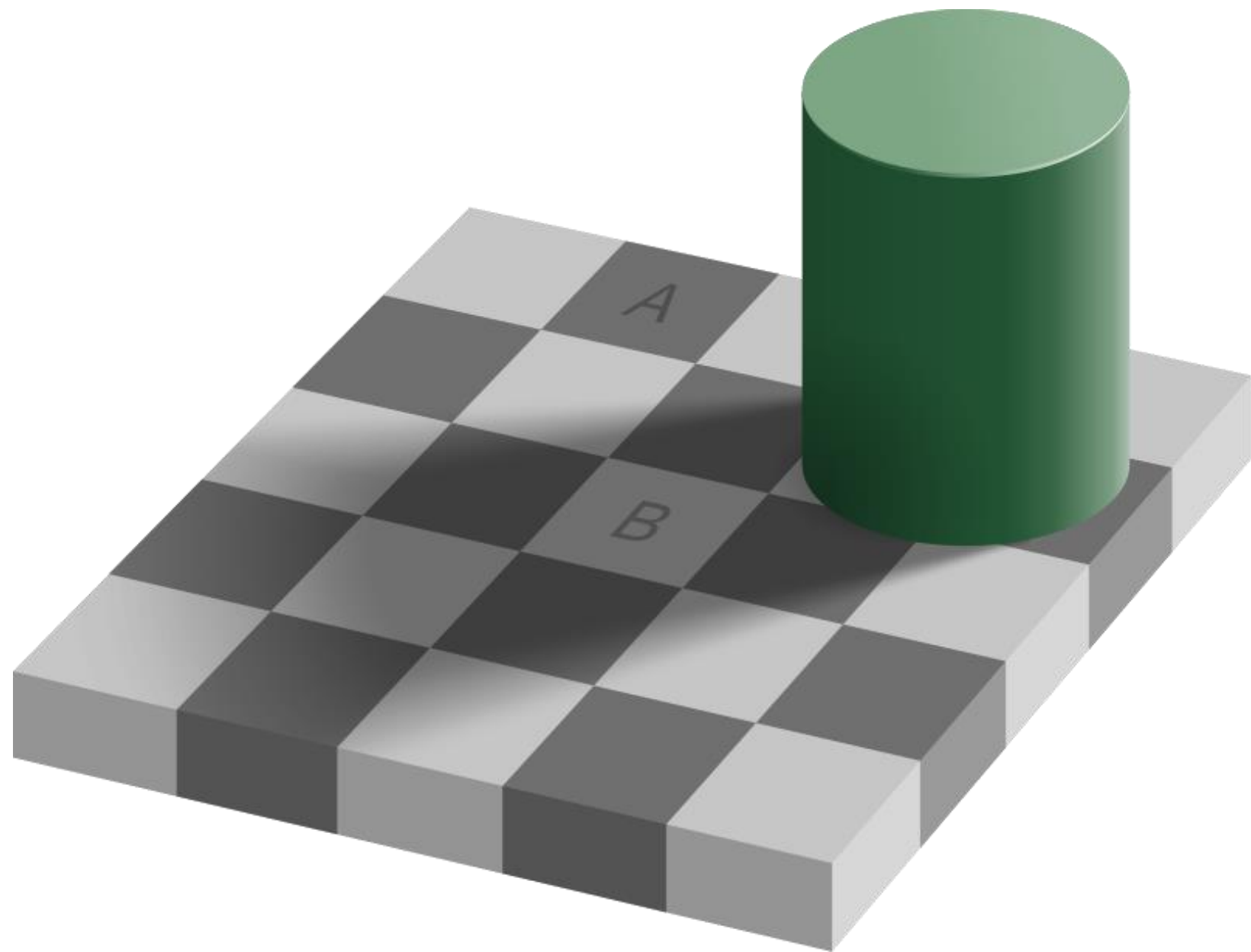
Dátový

Prečo je CV ťažké?

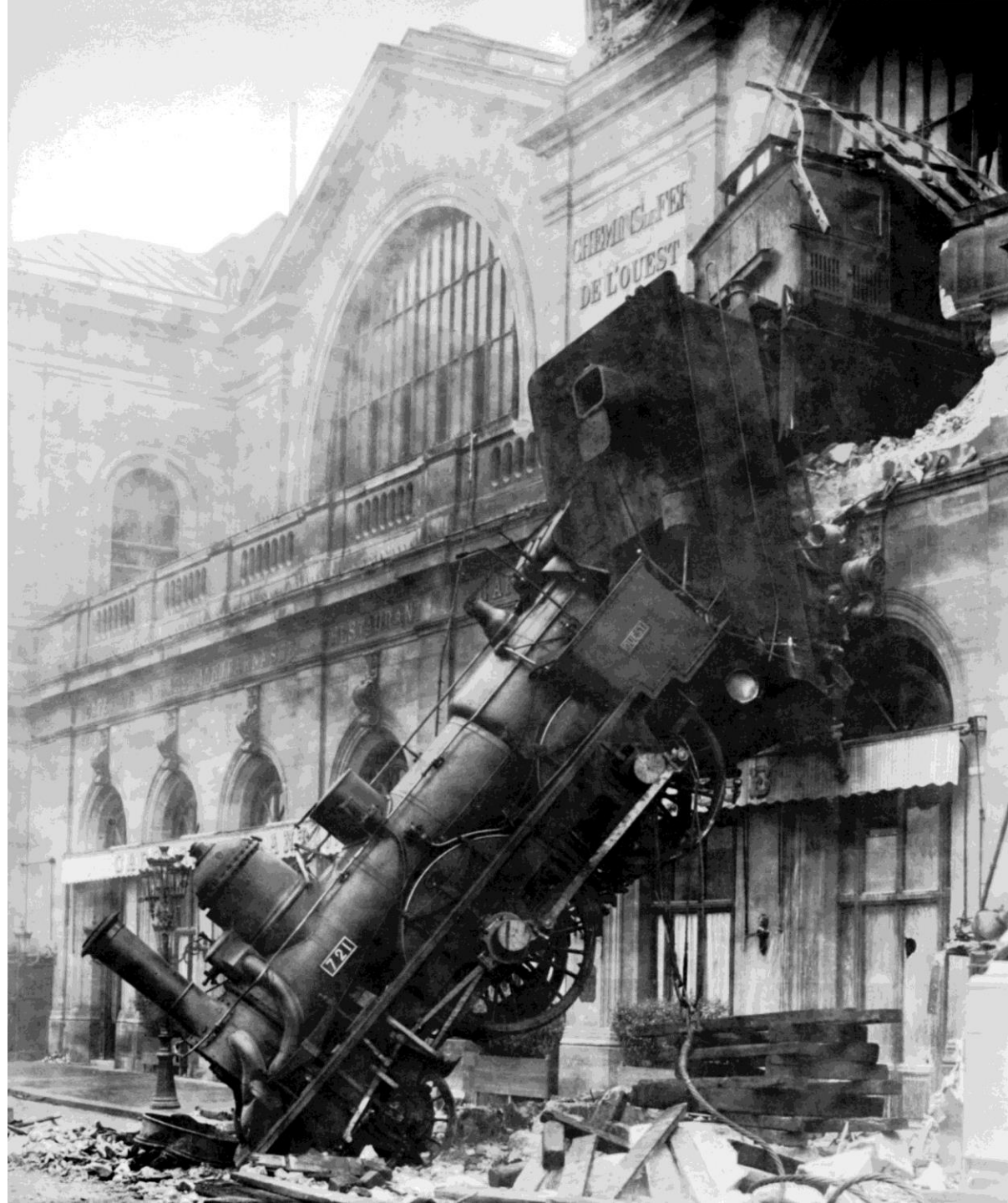
Prečo sa učiť CV v dobe
neurónových sietí?

Človek vs. počítač

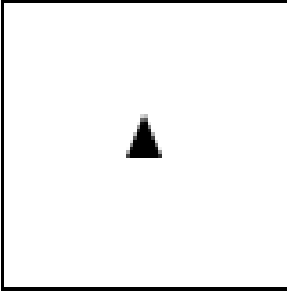


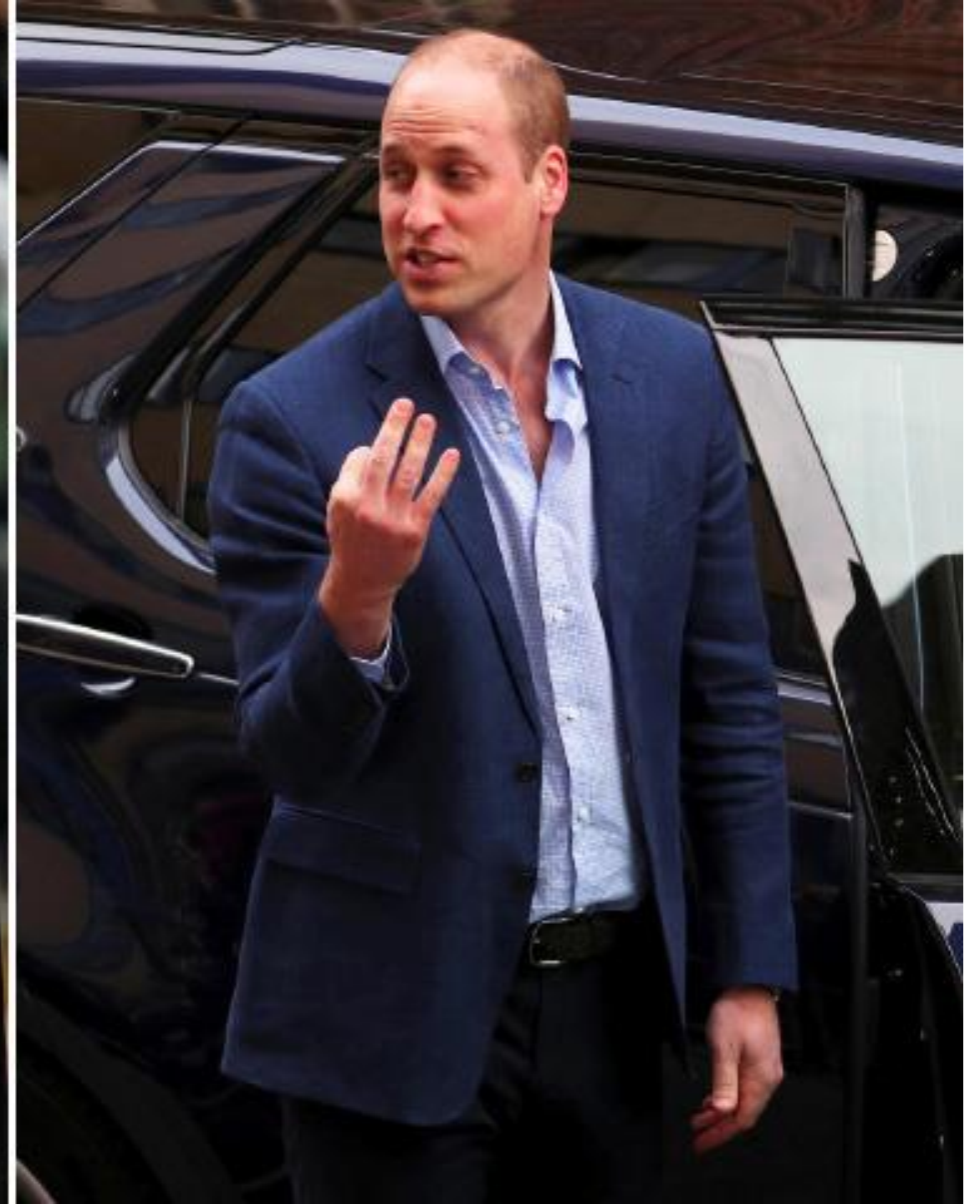


X	X	X	X	X	X	X	O	X	O	X	O	X	X
X	X	X	X	X	X	X	X	O	X	X	X	O	X
X	X	X	X	X	X	X	O	X	X	O	X	X	O
X	X	X	X	X	X	X	X	X	O	X	O	O	X
X	X	X	X	X	X	X	O	X	X	O	X	X	X
X	X	X	X	X	X	X	X	O	X	X	X	O	X
X	X	X	X	X	X	X	O	X	X	O	X	X	O
X	X	X	X	X	X	X	X	O	X	X	X	O	X
X	X	X	X	X	X	X	X	X	X	O	O	X	X
X	X	X	X	X	X	X	X	O	X	X	X	O	X





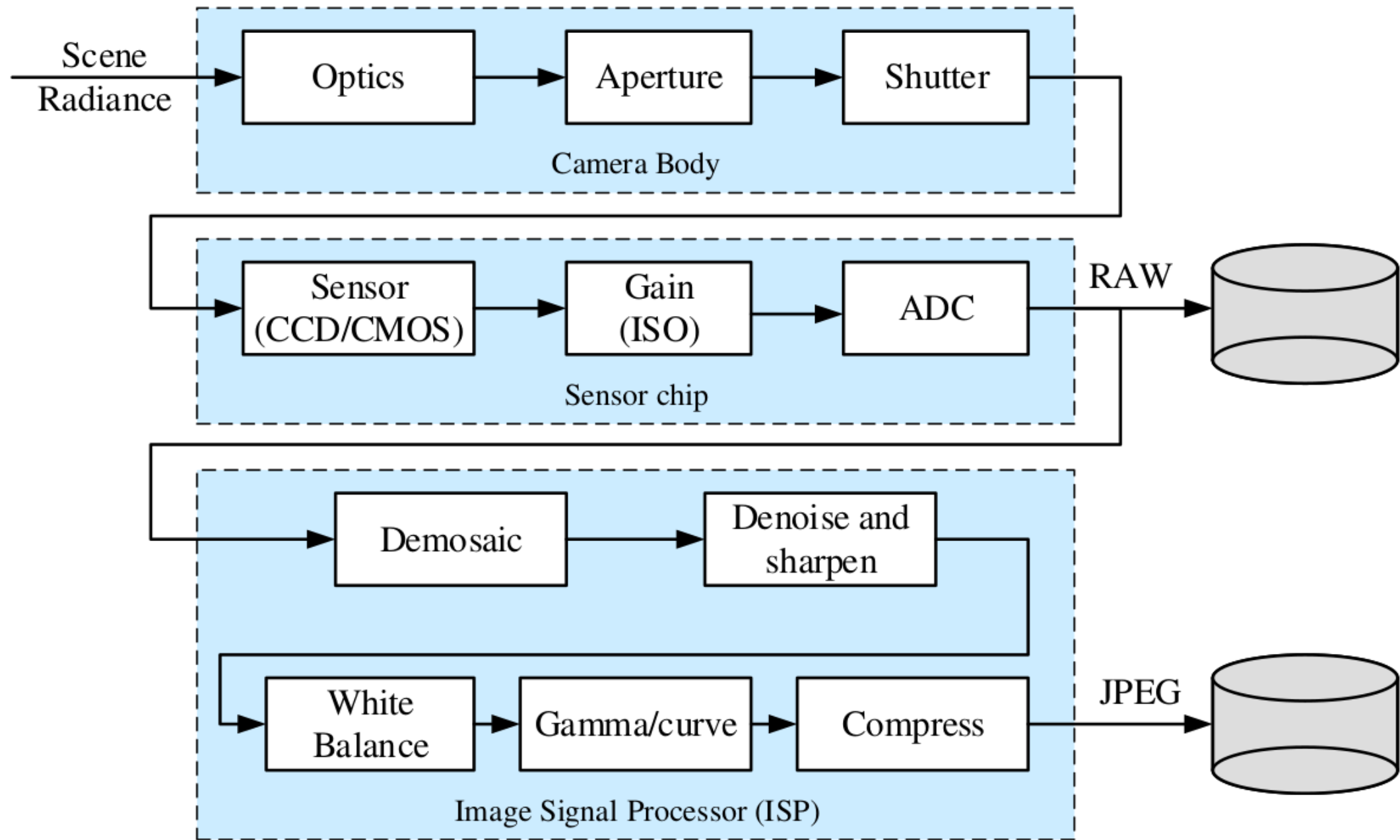


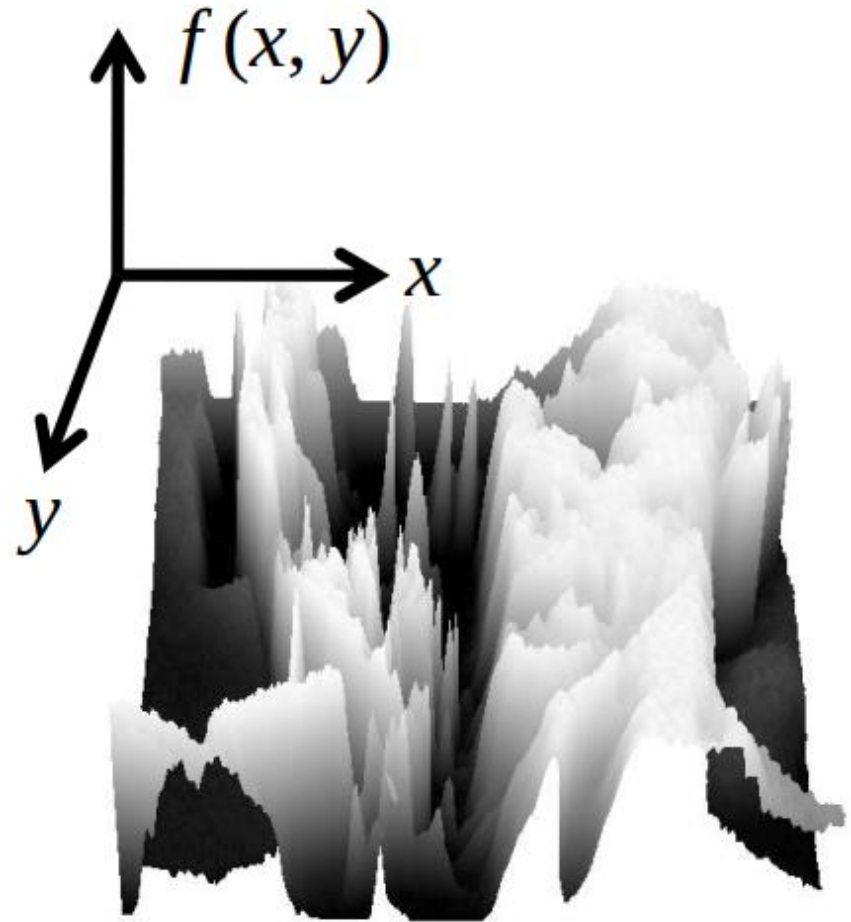






Rozpoznávanie





Obraz ako funkcia

- Digitálny obraz - diskretna verzia funkcie
- Definičný obor – **vzorkovanie**
- Obor hodnôt - **kvantovanie**
- Hodnota jasú alebo vektor

