



TABLE OF DISTANCES BETWEEN DIAGNOSES MENTAL AND BEHAVIORAL DISORDERS IN EPILEPSY

PATENT APPLICATION: Seria Operă Nr. 6807/01.02.2021

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APPLICATION FIELDS: Research and innovation projects.

AIM: Assessing the distances between mental and behavioral disorders in epilepsy (MBDE) using metric spaces developed for this purpose.

SOLUTION: Assessing the distances between mental and behavioral disorders in epilepsy (MBDE) using metric spaces developed for this purpose.

	F05.12	F02.82x2	F07.82	F07.92	F7x1	F06.52	F05.92	F07.02	F06.42	F06.91	F06.81	F06.62	F05.02	F06.12	F06.31	F05.82	F06.92	F06.30	F06.99	F06.32	F06.22	F06.34	F06.82	F06.72	F06.33	F04.2	F06.02	G40
F05.12	0.0	18.8	35.7	40.6	40.2	40.1	36.2	39.5	38.6	35.9	33.4	44.5	40.3	37.3	41.8	41.1	48.8	40.3	53.7	57.6	46.9	63.5	65.2	63.7	66.9	73.4	71.1	100
F02.82x2	18.8	0.0	25.2	31.8	32.4	33.3	35.2	35.8	35.8	36.9	37.4	38.6	39.5	40.1	40.1	40.3	41.0	43.6	45.9	50.3	50.5	54.5	56.4	57.3	58.5	66.8	69.1	94.5
F07.82	35.7	25.2	0.0	9.6	14.6	18.6	24.8	18.2	22.7	25.0	28.9	18.0	31.7	40.4	27.8	32.0	18.6	38.3	25.8	29.9	40.1	34.5	35.1	35.5	37.3	48.7	49.8	77.1
F07.92	40.6	31.8	9.6	0.0	12.2	19.9	26.9	16.0	22.3	24.8	30.0	15.3	35.2	42.2	27.9	35.9	16.4	39.3	22.7	26.7	38.9	31.6	32.0	32.3	33.7	47.0	45.5	76.2
F7x1	40.2	32.4	14.6	12.2	0.0	19.7	28.3	18.6	21.4	25.2	27.9	17.2	36.5	40.1	26.5	36.8	19.7	36.2	22.3	26.3	36.8	29.1	33.7	31.0	33.8	50.1	45.7	75.8
F06.52	40.1	33.3	18.6	19.9	19.7	0.0	18.4	19.2	11.3	17.8	22.4	12.2	25.1	35.1	20.3	23.8	15.0	31.7	18.2	27.0	35.3	31.4	29.5	28.5	29.9	41.2	40.5	65.9
F05.92	36.2	35.2	24.8	26.9	28.3	18.4	0.0	20.9	19.2	13.3	16.6	21.4	15.3	34.9	24.4	14.6	22.6	32.6	29.5	38.6	33.0	44.6	39.7	36.4	41.2	42.1	42.9	67.9
F07.02	39.6	35.8	18.2	16.0	18.6	19.2	20.9	0.0	17.2	15.3	21.4	14.8	28.5	38.0	25.8	28.9	16.8	32.8	20.4	29.7	31.5	33.8	32.0	32.7	33.7	46.1	44.0	74.4
F06.42	38.6	35.8	22.7	22.3	21.4	11.3	19.2	17.2	0.0	12.2	17.0	14.3	26.5	32.6	16.4	25.2	19.2	27.4	20.1	27.0	29.6	33.1	30.7	29.0	31.3	43.7	38.7	67.1
F06.91	35.9	36.9	25.0	24.8	25.2	17.8	13.3	15.3	12.2	0.0	10.0	18.4	21.3	32.5	19.7	21.1	22.1	26.7	26.1	33.2	27.5	39.6	36.9	33.7	37.9	44.1	40.3	70.2
F06.81	33.4	37.4	28.9	30.0	27.9	22.4	16.6	21.4	17.0	10.0	0.0	23.2	24.4	31.1	21.8	23.0	28.3	25.1	31.7	36.5	24.8	43.4	42.6	37.8	43.3	51.0	42.1	73.0
F06.62	44.5	38.6	18.0	15.3	17.2	12.2	21.4	14.8	14.3	18.4	23.2	0.0	29.6	39.0	22.4	28.5	9.6	34.6	14.6	21.6	32.9	27.4	25.0	23.5	25.9	40.8	34.4	65.5
F05.02	40.4	39.5	31.7	35.2	36.5	25.1	15.3	28.5	26.5	21.3	24.4	29.6	0.0	38.8	32.7	8.0	29.0	38.8	35.3	46.5	41.6	50.9	44.7	40.3	46.6	39.5	50.3	67.8
F06.12	37.3	40.1	40.4	42.2	40.1	35.1	34.9	38.0	32.6	32.5	31.1	39.0	38.8	0.0	28.2	38.2	43.2	20.9	44.6	50.0	26.9	55.0	54.7	52.6	55.0	63.0	58.0	84.5
F06.31	41.8	40.1	27.8	27.9	26.5	20.3	24.4	25.8	16.4	19.7	21.8	22.4	32.7	28.2	0.0	31.3	26.3	19.9	28.0	28.3	24.1	36.0	35.6	31.8	35.7	46.7	39.1	67.0
F05.82	41.1	40.3	32.0	35.9	36.8	23.8	14.6	28.9	25.2	21.1	23.0	28.5	8.0	38.2	31.3	0.0	28.4	36.9	34.6	44.9	39.3	49.4	43.0	39.2	45.0	41.2	47.4	65.1
F06.92	48.8	41.0	18.6	16.4	19.7	15.0	22.6	16.8	19.2	22.1	28.3	9.6	29.0	43.2	26.3	28.4	0.0	39.3	12.2	22.4	37.8	25.9	20.8	21.1	22.6	34.7	35.9	61.8
F06.30	40.3	43.6	38.3	39.3	36.2	31.7	32.6	32.8	27.4	26.7	25.1	34.6	38.8	20.9	19.9	36.9	39.3	0.0	40.1	41.6	20.3	46.8	49.4	45.7	49.1	60.9	50.6	78.7
F06.99	53.7	45.9	25.8	22.7	22.3	18.2	29.5	20.4	20.1	26.1	31.7	14.6	35.3	44.6	28.0	34.6	12.2	40.1	0.0	19.9	38.6	19.9	15.5	20.6	15.3	37.2	36.6	61.0
F06.32	57.6	50.3	29.9	26.7	26.3	27.0	38.6	29.7	27.0	33.2	36.5	21.6	46.5	50.0	28.3	44.9	22.4	41.6	19.9	0.0	40.3	13.6	20.3	21.9	19.7	45.8	34.0	62.9
F06.22	46.9	50.5	40.1	38.9	36.8	35.3	33.0	31.5	29.6	27.5	24.8	32.9	41.6	26.9	24.1	39.3	37.8	20.3	38.6	40.3	0.0	47.1	46.5	43.1	46.5	60.1	43.4	76.6
F06.34	63.5	54.5	34.5	31.6	29.1	31.4	44.6	33.8	33.1	39.6	43.4	27.4	50.9	55.0	36.0	49.4	25.9	46.8	19.9	13.6	47.1	0.0	19.2	24.4	17.0	47.4	40.1	63.6
F06.82	65.2	56.4	35.1	32.0	33.7	29.5	39.7	32.0	30.7	36.9	42.6	25.0	44.7	54.7	35.6	43.0	20.8	49.4	15.5	20.3	46.5	19.2	0.0	20.3	7.0	35.2	34.4	53.9
F06.72	63.7	57.3	35.5	32.3	31.0	28.5	36.4	32.7	29.0	33.7	37.8	23.5	40.3	52.6	31.8	39.2	21.1	45.7	20.6	21.9	43.1	24.4	20.3	0.0	19.0	32.0	27.0	48.4
F06.33	66.9	58.5	37.3	33.7	33.8	29.9	41.2	33.7	31.3	37.9	43.3	25.9	46.6	55.0	35.7	45.0	22.6	49.1	15.3	19.7	46.5	17.0	7.0	19.0	0.0	36.1	33.0	53.2
F04.2	73.4	66.8	48.7	47.0	50.1	41.2	42.1	46.1	43.7	44.1	51.0	40.8	39.5	63.0	46.7	41.2	34.7	60.9	37.2	45.8	60.1	47.4	35.2	32.0	36.1	0.0	42.4	45.3
F06.02	71.1	69.1	49.8	45.5	45.7	40.5	42.9	44.0	38.7	40.3	42.1	34.4	50.3	58.0	39.1	47.4	35.9	50.6	36.6	34.0	43.4	40.1	34.4	27.0	33.0	42.4	0.0	48.8
G40	100	94.5	77.1	76.2	75.8	65.9	67.9	74.4	67.1	70.2	73.0	65.5	67.8	84.5	67.0	65.1	61.8	78.7	61.0	62.9	76.6	63.6	53.9	48.4	53.2	45.3	48.8	0.0

ADVANTAGES: Propose metric spaces and evaluate the distances between MBDE (premiere).

IMPLEMENTATION STAGE: Used in: medical practice at the Medical Sanitary Institution, the Public Clinical Hospital of Psychiatry; medical practice at the Republican Clinical Center "Constructorul"; development of intelligent support systems for the TPCE; training of doctoral students.