Cálculo 1

$f(x) = x^2$

$\mathbb{R} \to \mathbb{R}$

$g(x) = \sqrt{x}$

Início de cálculo 2

$\vec{r}(t) = \langle t, t^2, t^3 \rangle$

$\mathbb{R} \to \mathbb{R}^3$

$f(x,y,z) = xyz$

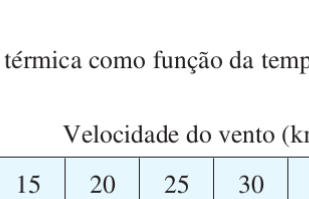
$\mathbb{R}^3 \longrightarrow \mathbb{R}$

$f(2,2,2) = 2(2)(2) = 8$

$f(1,3,4) = 1(3)(4) = 12$

Área de triangl

$A(b,h) = \frac{bh}{2}$



DescriÃ§Ã£o Verbal da FunÃ§Ã£o

"A Ã¡rea de um triÃ¢ngulo Ã© base vezes a altura.

Previsão de vida (Renda, Idade, Peso, PH,)

RepresentaÃ§Ã£o em Tabela de uma FunÃ§Ã£o de Duas Vari

Umidade relativa (%)

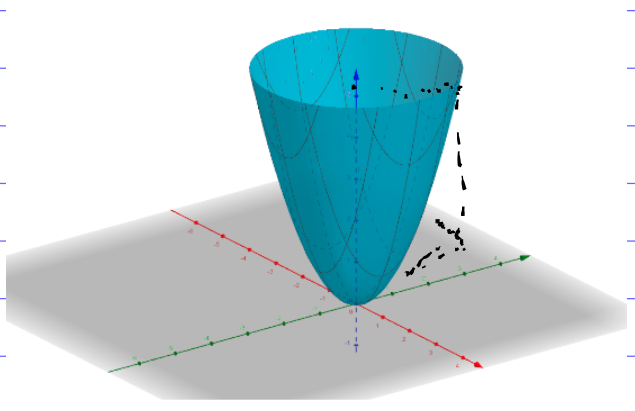
Temperatura real (°C) T \ H	40	45	50	55	60	65	70	75	80
26	28	28	29	31	31	32	33	34	35
28	31	32	33	34	35	36	37	38	39
30	34	35	36	37	38	40	41	42	43
32	37	38	39	41	42	43	45	46	47
34	41	42	43	45	47	48	49	51	52
36	43	45	47	48	50	51	53	54	56

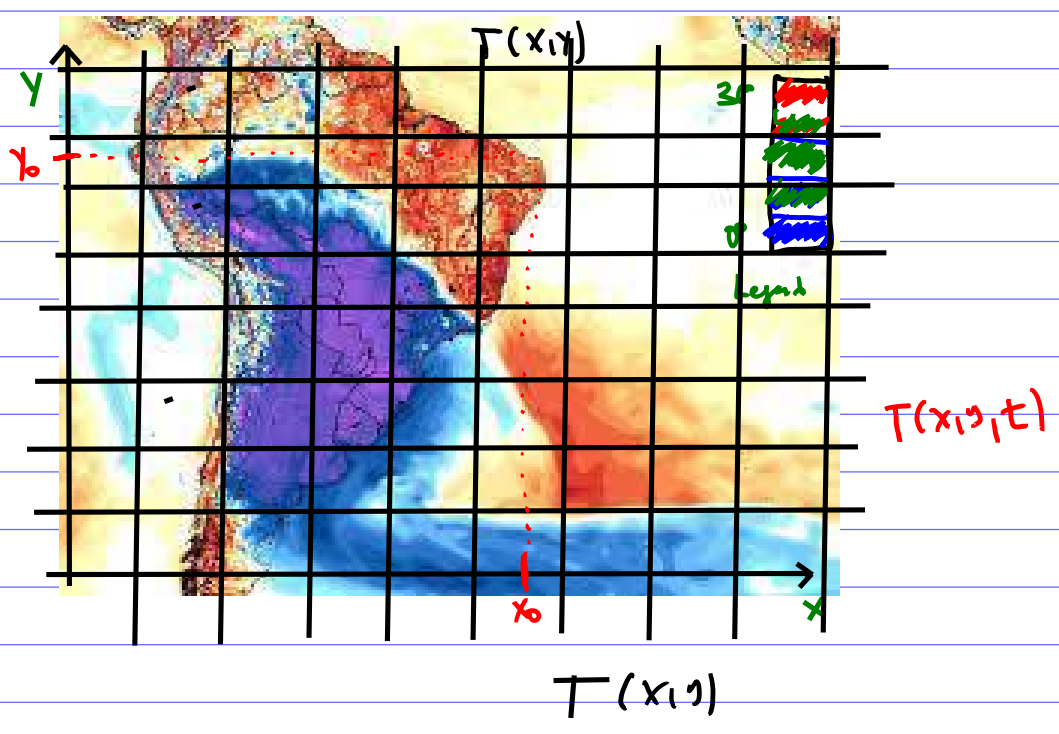
TABELA 1 Índice de sensação térmica como função da temperatura do ar e velocidade do vento

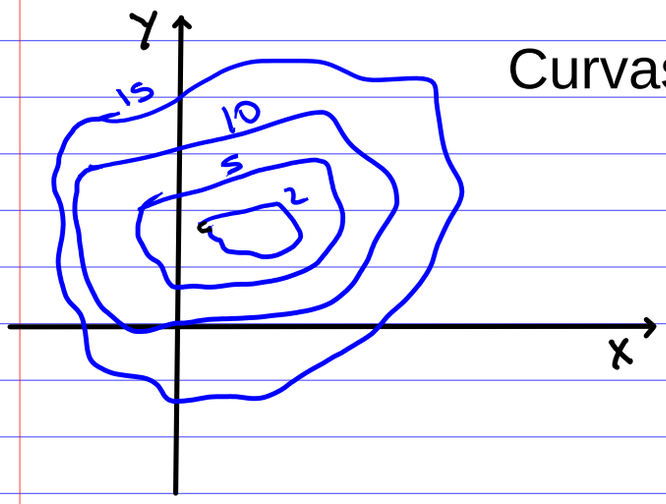
Velocidade do vento (km/h)

Temperatura real (°C) T \ v	5	10	15	20	25	30	40	50	60	70	80
5	4	3	2	1	1	0	−1	−1	−2	−2	−3
0	−2	−3	−4	−5	−6	−6	−7	−8	−9	−9	−10
−5	−7	−9	−11	−12	−12	−13	−14	−15	−16	−16	−17
−10	−13	−15	−17	−18	−19	−20	−21	−22	−23	−23	−24
−15	−19	−21	−23	−24	−25	−26	−27	−29	−30	−30	−31
−20	−24	−27	−29	−30	−32	−33	−34	−35	−36	−37	−38
−25	−30	−33	−35	−37	−38	−39	−41	−42	−43	−44	−45
−30	−36	−39	−41	−43	−44	−46	−48	−49	−50	−51	−52
−35	−41	−45	−48	−49	−51	−52	−54	−56	−57	−58	−60
−40	−47	−51	−54	−56	−57	−59	−61	−63	−64	−65	−67

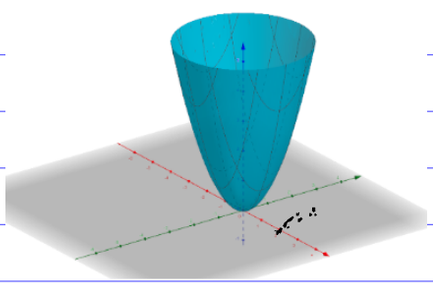
Outra RepresentaÃ§Ã£o GrÃ¡fica de FunÃ§Ã£o de Duas Var

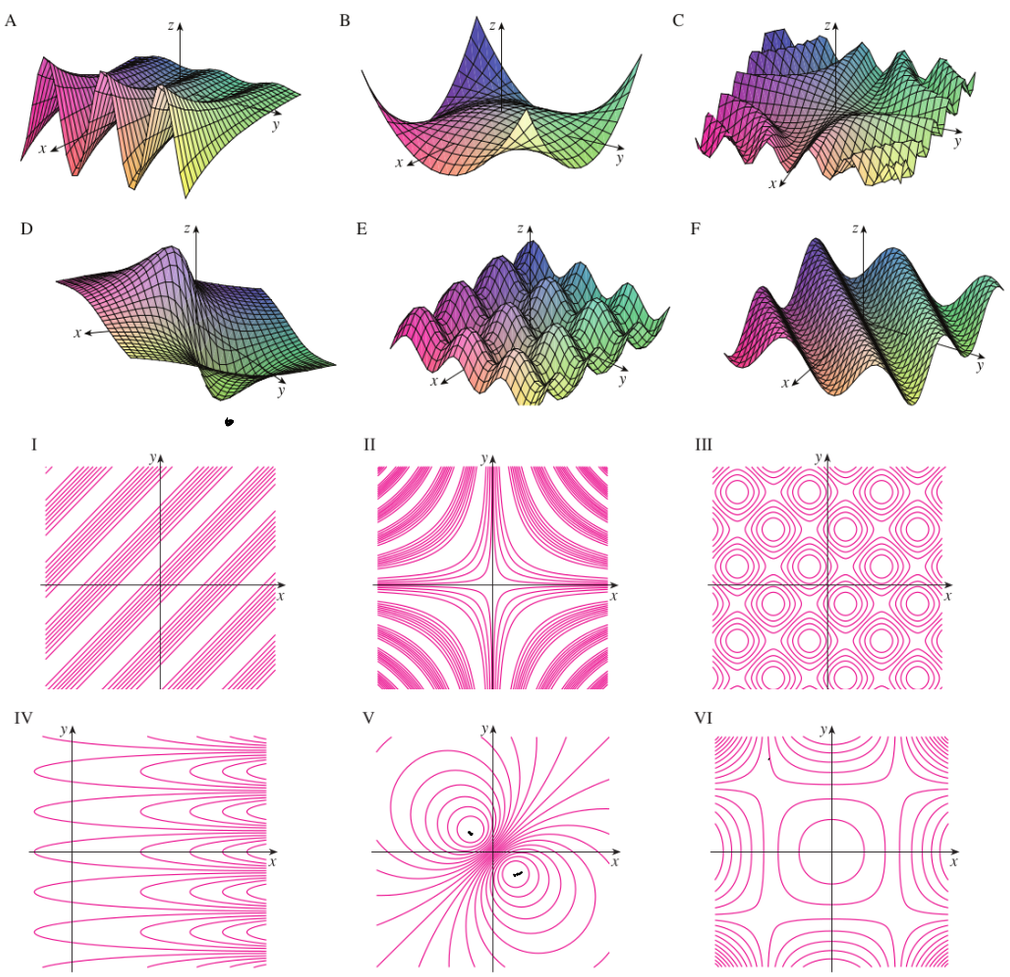




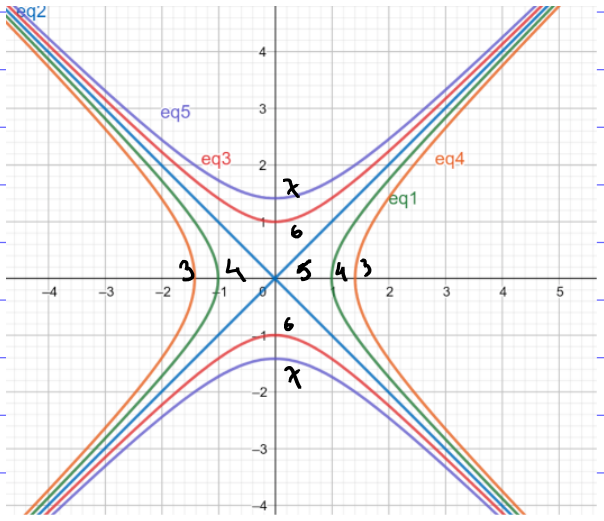


Curvas de NÃ-vel





Limites



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26	28	28	29	31	31	32	33	34	35
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34	41	42	43	45	47	48	49	51	52
36	43	45	47	48	50	51	53	54	56

Temperatura real (°C)

a) $\lim_{(x,y)\to(2,-2)} \dfrac{x^2y + xy^2}{x^2 - y^2}$

b) $\lim_{(x,y)\to(0,0)} \dfrac{xy^2}{x^2 + y^2}$