	As rendered by TeX	As rendered by your browser
1	$x^2 y^2$	x 2 y 2
2	$_2F_3$	F 3 2
3	$\dfrac{x+y^2}{k+1}$	x + y 2 k + 1
4	$x + y^{\frac{2}{k+1}}$	x + y 2 k + 1
5	$\dfrac{a}{b/2}$	a b / 2
6	$a_0 + \cfrac{1}{a_1 + \cfrac{1}{a_2 + \cfrac{1}{a_3 + \cfrac{1}{a_4}}}}$	a 0 + 1 a 1 + 1 a 2 + 1 a 3 + 1 a 4
7	$a_0 + \cfrac{1}{a_1 + \frac{1}{a_2 + \frac{1}{a_3 + \frac{1}{a_4}}}}$	a 0 + 1 a 1 + 1 a 2 + 1 a 3 + 1 a 4
8	$\dbinom{n}{k/2}$	(n k / 2)
9	$\dbinom{p}{2} x^2 y^{p-2} - \dfrac{1}{1-x}\dfrac{1}{1-x^2}$	(p 2) x 2 y p - 2 - 1 1 - x 1 1 - x 2

10

$$\sum_{\substack{0 \le i \le m \\ 0 < j < n}} P(i, j)$$

â 0 â¤ i â¤ m 0 < j < n P (i , j)

11

$$x^{2y}$$

x 2 y

12

$$\sum_{i=1}^{p} \sum_{j=1}^{q} \sum_{k=1}^{r} a_{ij} b_{jk} c_{ki}$$

â i = 1 p â j = 1 q â k = 1 r a i j b j k c k i

13

$$\sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + x}}}}}}}$$

1 + 1 + 1 + 1 + 1 + 1 + 1 + x

14

$$\left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \right) \left| \varphi(x + iy) \right|^2 = 0$$

(â 2 â x 2 + â 2 â y 2) | Ï (x + i y) | 2 = 0

15

$$2^{2^{2^x}}$$

2 2 2 x

16

$$\int_1^x \frac{dt}{t}$$

â« 1 x dt t

17

$$\iint_D dx\, dy$$

â¬ D dx dy

18

$$f(x) = \begin{cases} 1/3 & \text{if } 0 \le x \le 1; \\ 2/3 & \text{if } 3 \le x \le 4; \\ 0 & \text{elsewhere.} \end{cases}$$

f (x) = { 1 / 3 if 0 â¤ x â¤ 1 ; 2 / 3 if 3 â¤ x â¤ 4 ; 0 elsewhere.

19

$$\overbrace{x + \cdots + x}^{k \text{ times}}$$

x + ... + x â k times

20   y_{x^2} y x 2

21     $$\sum_{p \text{ prime}} f(p) = \int_{t>1} f(t)\, d\pi(t)$$ â p prime f (p) = â« t > 1 f (t) d Ï (t)

22     $$\{\overbrace{a,\dots,a}^{k\ a's},\overbrace{b,\dots,b}^{l\ b's}\}_{k+l \text{ elements}}$$ { (a , … , a â k a 's , (b , … , b â â b 's â k + â elements }

23     $$\begin{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} & \begin{pmatrix} e & f \\ g & h \end{pmatrix} \\ 0 & \begin{pmatrix} i & j \\ k & l \end{pmatrix} \end{pmatrix}$$ ((a b c d) (e f g h) 0 (i j k l))

24     $$\det \begin{vmatrix} c_0 & c_1 & c_2 & \cdots & c_n \\ c_1 & c_2 & c_3 & \cdots & c_{n+1} \\ c_2 & c_3 & c_4 & \cdots & c_{n+2} \\ \vdots & \vdots & \vdots & & \vdots \\ c_n & c_{n+1} & c_{n+2} & \cdots & c_{2n} \end{vmatrix} > 0$$ det | c 0 c 1 c 2 â¦ c n c 1 c 2 c 3 â¦ c n + 1 c 2 c 3 c 4 â¦ c n + 2 â® â® â® â® c n c n + 1 c n + 2 â¦ c 2 n | > 0

25   y_{x_2} y x 2

26     $x_{92}^{31415} + \pi$ x 92 31415 + Ï

27     $x_{y_b^a}^{z_c^d}$ x y b a z c d

28   y_3''' y 3 â´