Default: $a\alpha b\beta G\Gamma P\Pi$ mathnormal: $a\alpha b\beta G\Gamma P\Pi$ mathrm: $a\alpha ab\beta G\Gamma P\Pi$ mathup: $a\alpha ab\beta G\Gamma P\Pi$ mathit: $a\alpha b\beta G\Gamma P\Pi$ mathbf: $a\alpha b\beta G\Gamma P\Pi$ mathbf: $a\alpha b\beta G\Gamma P\Pi$ mathbfit: $a\alpha b\beta G\Gamma P\Pi$

Default: $a\alpha b\beta G\Gamma P\Pi$ mathnormal: $a\alpha b\beta G\Gamma P\Pi$ mathrm: $a\alpha b\beta G\Gamma P\Pi$ mathup: $a\alpha b\beta G\Gamma P\Pi$ mathit: $a\alpha b\beta G\Gamma P\Pi$ mathbf: $a\alpha b\beta G\Gamma P\Pi$ mathbf: $a\alpha b\beta G\Gamma P\Pi$

Default: $a\alpha b\beta G\Gamma P\Pi$ mathnormal: $a\alpha b\beta G\Gamma P\Pi$ mathrm: $a\alpha b\beta G\Gamma P\Pi$ mathup: $a\alpha b\beta G\Gamma P\Pi$ mathit: $a\alpha b\beta G\Gamma P\Pi$ mathbf: $a\alpha b\beta G\Gamma P\Pi$ mathbfit: $a\alpha b\beta G\Gamma P\Pi$

1 Formulas

 $\alpha, \beta, \gamma, \delta, \epsilon, \zeta, \eta, \theta, \iota, \kappa, \lambda, \mu, \nu, \xi, \pi, \rho, \sigma, \zeta, \tau, \nu, \phi, \chi, \psi, \omega, \varepsilon, \tau, \Gamma, \Delta, \tau, \Theta, \pi, \Lambda, \pi, \Xi, \Pi, \Sigma, \Sigma, \Upsilon, \Phi, \Psi, \Omega, \chi, \Phi, \chi$

 α , β , γ , δ , ϵ , ζ , η , θ , ι , κ , λ , μ , ν , ξ , o, π , ρ , σ , ς , τ , υ , ϕ , χ , ψ , ω , φ , A, B, Γ , Δ , E, Z, H, Θ , I, K, Λ , M, N, Ξ , O, Π , P, Σ , T, Y, Φ , X, Ψ , Ω , F,

ab+cd = ab+cd = ab+cd = ab+cd = ab+cd $aa > 0, \beta b + (3 \times 27), \Gamma G = 7 < 8, \lambda$

$$\sum_{i=0}^{N} x^{i}$$

$$\int_{-\infty}^{\infty} x f(x) dx = \left(\frac{27}{2}\right)$$

 $\alpha a > 0, \beta b + (3 \times 27), \Gamma G = 7 < 8, \lambda$ s ± 3y + y - 1 × 7

$$\sum_{i=0}^{N} x^{i}$$

$$\int_{-\infty}^{\infty} x f(x) dx = \left(\frac{27}{2}\right)$$

 $s \pm 3y + y - 1 \times 7$

$$\sum_{i=0}^{N} x^{i}$$

$$\int_{-\infty}^{\infty} x f(x) dx = \left(\frac{27}{2}\right)$$

2 Math Alphabets

```
Default
```

0, 1, 2, 3, 4, 5, 6, 7, 8, 9,

A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z,

a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z,

A, B, Γ , Δ , E, Z, H, Θ , I, K, Λ , M, N, Ξ , O, Π , P, Σ , T, Y, Φ , X, Ψ , Ω ,

 $\alpha, \beta, \gamma, \delta, \varepsilon, \zeta, \eta, \theta, \iota, \kappa, \lambda, \mu, \nu, \xi, \sigma, \pi, \rho, \sigma, \tau, \nu, \phi, \chi, \psi, \omega, \varepsilon, \vartheta, \varpi, \varrho, \varsigma, \varphi,$

Math Normal (\mathnormal)

0, 1, 2, 3, 4, 5, 6, 7, 8, 9,

A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z,

a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z,

A, B, Γ , Δ , E, Z, H, Θ , I, K, Λ , M, N, Ξ , O, Π , P, Σ , T, Y, Φ , X, Ψ , Ω ,

 $\alpha, \beta, \gamma, \delta, \epsilon, \zeta, \eta, \theta, \iota, \kappa, \lambda, \mu, \nu, \xi, o, \pi, \rho, \sigma, \tau, \nu, \phi, \chi, \psi, \omega, \epsilon, \vartheta, \varpi, \varrho, \varsigma, \varphi,$

Math Italic (\mathit)

0, 1, 2, 3, 4, 5, 6, 7, 8, 9,

A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z,

a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z,

A, B, Γ , Δ , E, Z, H, Θ , I, K, Λ , M, N, Ξ , O, Π , P, Σ , T, Y, Φ , X, Ψ , Ω ,

 $\alpha, \beta, \gamma, \delta, \varepsilon, \zeta, \eta, \theta, \iota, \kappa, \lambda, \mu, \nu, \xi, o, \pi, \rho, \sigma, \tau, \nu, \phi, \chi, \psi, \omega, \varepsilon, \vartheta, \varpi, \varrho, \varsigma, \varphi,$

Math Roman (\mathrm)

0.1.2.3.4.5.6.7.8.9.

A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z,

a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z,

A, B, Γ , Δ , E, Z, H, Θ , I, K, Λ , M, N, Ξ , O, Π , P, Σ , T, Υ , Φ , X, Ψ , Ω ,

 $\alpha, \beta, \gamma, \delta, \epsilon, \zeta, \eta, \theta, \iota, \kappa, \lambda, \mu, \nu, \xi, o, \pi, \rho, \sigma, \tau, \nu, \phi, \chi, \psi, \omega, \epsilon, \vartheta, \varpi, \varrho, \varsigma, \varphi,$

Math Bold (\mathbf)

0, 1, 2, 3, 4, 5, 6, 7, 8, 9,

A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z,

a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z,

A, B, Γ , Δ , E, Z, H, Θ , I, K, Λ , M, N, Ξ , O, Π , P, Σ , T, Y, Φ , X, Ψ , Ω ,

 α , β , γ , δ , ε , ζ , η , θ , ι , κ , λ , μ , ν , ξ , σ , π , ρ , σ , τ , υ , ϕ , χ , ψ , ω , ε , ϑ , ϖ , ϱ , ς , φ ,

Script(\mathscr)

 $\mathcal{A}, \mathcal{B}, \mathcal{C}, \mathcal{D}, \mathcal{E}, \mathcal{F}, \mathcal{G}, \mathcal{H}, \mathcal{I}, \mathcal{I}, \mathcal{K}, \mathcal{L}, \mathcal{M}, \mathcal{N}, \mathcal{O}, \mathcal{P}, \mathcal{Q}, \mathcal{R}, \mathcal{F}, \mathcal{T}, \mathcal{U}, \mathcal{V}, \mathcal{W}, \mathcal{X}, \mathcal{Y}, \mathcal{Z}, \mathcal{Z}$

Fraktur (\mathfrak)

 $\mathfrak{A},\mathfrak{B},\mathfrak{C},\mathfrak{D},\mathfrak{E},\mathfrak{F},\mathfrak{G},\mathfrak{H},\mathfrak{I},\mathfrak{I},\mathfrak{K},\mathfrak{L},\mathfrak{M},\mathfrak{N},\mathfrak{O},\mathfrak{P},\mathfrak{Q},\mathfrak{R},\mathfrak{S},\mathfrak{T},\mathfrak{U},\mathfrak{V},\mathfrak{W},\mathfrak{X},\mathfrak{Y},\mathfrak{Z},$

a, b, c, d, e, f, g, h, i, j, t, l, m, n, o, p, q, r, s, t, u, v, w, r, n, z,

Blackboard Bold (\mathbb)

 $\mathbb{A},\mathbb{B},\mathbb{C},\mathbb{D},\mathbb{E},\mathbb{F},\mathbb{G},\mathbb{H},\mathbb{I},\mathbb{J},\mathbb{K},\mathbb{L},\mathbb{M},\mathbb{N},\mathbb{O},\mathbb{P},\mathbb{Q},\mathbb{R},\mathbb{S},\mathbb{T},\mathbb{U},\mathbb{V},\mathbb{W},\mathbb{X},\mathbb{Y},\mathbb{Z},$

3 Character Sidebearings

Default

```
 |A| + |B| + |C| + |D| + |E| + |F| + |G| + |H| + |I| + |J| + |K| + |L| + |M| + |N| + |O| + |P| + |Q| + |R| + |S| + |T| + |U| + |V| + |W| + |X| + |Y| + |Z| + |A| + |b| + |c| + |d| + |e| + |f| + |g| + |h| + |i| + |j| + |k| + |l| + |m| + |n| + |o| + |p| + |q| + |r| + |s| + |t| + |u| + |v| + |w| + |x| + |y| + |z| + |A| + |B| + |T| + |A| + |E| + |Z| + |H| + |O| + |I| + |K| + |A| + |M| + |A| + |B| + |V| + |\delta| + |E| + |Z| + |H| + |O| + |I| + |K| + |A| + |\Psi| + |\Omega| + |A| + |B| + |V| + |\delta| + |E| + |C| + |T| + |V| + |D| + |X| + |\Psi| + |D| + |D|
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Math Roman (\mathrm)

```
\begin{split} |A| + |B| + |C| + |D| + |E| + |F| + |G| + |H| + |I| + |J| + |K| + |L| + |M| + \\ |N| + |O| + |P| + |Q| + |R| + |S| + |T| + |U| + |V| + |W| + |X| + |Y| + |Z| + \\ |a| + |b| + |c| + |d| + |e| + |f| + |g| + |h| + |i| + |j| + |k| + |I| + |m| + \\ |n| + |o| + |p| + |q| + |r| + |s| + |t| + |u| + |v| + |w| + |x| + |y| + |z| + \\ |A| + |B| + |\Gamma| + |\Delta| + |E| + |Z| + |H| + |\Theta| + |I| + |K| + |\Lambda| + |M| + \\ |N| + |\Xi| + |O| + |\Pi| + |P| + |\Sigma| + |T| + |\Upsilon| + |\Phi| + |X| + |\Psi| + |\Omega| + \\ \end{split}
```

```
\begin{split} |A| + |B| + |C| + |D| + |E| + |F| + |G| + |H| + |I| + |J| + |K| + |L| + |M| + \\ |N| + |O| + |P| + |Q| + |R| + |S| + |T| + |U| + |V| + |W| + |X| + |Y| + |Z| + \\ |a| + |b| + |c| + |d| + |e| + |f| + |g| + |h| + |i| + |j| + |k| + |l| + |m| + \\ |n| + |o| + |p| + |q| + |r| + |s| + |t| + |u| + |v| + |w| + |x| + |y| + |z| + \\ |A| + |B| + |\Gamma| + |\Delta| + |E| + |Z| + |H| + |\Theta| + |I| + |K| + |\Lambda| + |M| + \\ |N| + |\Xi| + |O| + |\Pi| + |P| + |\Sigma| + |T| + |Y| + |\Phi| + |X| + |\Psi| + |\Omega| + \\ \end{split}
```

4 Superscript positioning

Default

$$\begin{array}{l} A^2 + B^2 + C^2 + D^2 + E^2 + F^2 + G^2 + H^2 + I^2 + J^2 + K^2 + L^2 + M^2 + N^2 + O^2 + P^2 + Q^2 + R^2 + S^2 + T^2 + U^2 + V^2 + W^2 + X^2 + Y^2 + Z^2 + Q^2 + D^2 + C^2 + d^2 + e^2 + f^2 + g^2 + h^2 + i^2 + j^2 + k^2 + l^2 + m^2 + D^2 + O^2 + P^2 + q^2 + r^2 + S^2 + t^2 + U^2 + V^2 + W^2 + X^2 + Y^2 + Z^2 + Q^2 + B^2 + F^2 + \Delta^2 + E^2 + Z^2 + H^2 + \Theta^2 + I^2 + K^2 + \Lambda^2 + M^2 + D^2 + Z^2 + D^2 + D^2 + Z^2 + D^2 + D^2 + Z^2 + D^2 +$$

Math Roman (\mathrm)

$$\begin{array}{l} A^2 + B^2 + C^2 + D^2 + E^2 + F^2 + G^2 + H^2 + I^2 + J^2 + K^2 + L^2 + M^2 + \\ N^2 + O^2 + P^2 + Q^2 + R^2 + S^2 + T^2 + U^2 + V^2 + W^2 + X^2 + Y^2 + Z^2 + \\ a^2 + b^2 + c^2 + d^2 + e^2 + f^2 + g^2 + h^2 + i^2 + j^2 + k^2 + I^2 + m^2 + \\ n^2 + o^2 + p^2 + q^2 + r^2 + s^2 + t^2 + u^2 + v^2 + w^2 + x^2 + y^2 + z^2 + \\ A^2 + B^2 + \Gamma^2 + \Delta^2 + E^2 + Z^2 + H^2 + \Theta^2 + I^2 + K^2 + \Lambda^2 + M^2 + \\ N^2 + \Xi^2 + O^2 + \Pi^2 + P^2 + \Sigma^2 + T^2 + \Upsilon^2 + \Phi^2 + X^2 + \Psi^2 + \Omega^2 + \end{array}$$

$$A^{2} + B^{2} + C^{2} + D^{2} + E^{2} + F^{2} + G^{2} + H^{2} + I^{2} + J^{2} + K^{2} + L^{2} + M^{2} + N^{2} + O^{2} + P^{2} + Q^{2} + R^{2} + S^{2} + T^{2} + U^{2} + V^{2} + W^{2} + X^{2} + Y^{2} + Z^{2} + G^{2} + G^{2$$

5 Subscript positioning

Default

$$A_{i} + B_{i} + C_{i} + D_{i} + E_{i} + F_{i} + G_{i} + H_{i} + I_{i} + J_{i} + K_{i} + L_{i} + M_{i} + N_{i} + O_{i} + P_{i} + Q_{i} + R_{i} + S_{i} + T_{i} + U_{i} + V_{i} + W_{i} + X_{i} + Y_{i} + Z_{i} + a_{i} + b_{i} + c_{i} + d_{i} + e_{i} + f_{i} + g_{i} + h_{i} + i_{i} + j_{i} + k_{i} + l_{i} + m_{i} + n_{i} + o_{i} + p_{i} + q_{i} + r_{i} + s_{i} + t_{i} + u_{i} + v_{i} + w_{i} + x_{i} + y_{i} + z_{i} + A_{i} + B_{i} + \Gamma_{i} + \Delta_{i} + E_{i} + Z_{i} + H_{i} + \Theta_{i} + I_{i} + K_{i} + \Lambda_{i} + M_{i} + N_{i} + \Xi_{i} + O_{i} + \Pi_{i} + P_{i} + \Sigma_{i} + T_{i} + Y_{i} + \Phi_{i} + X_{i} + \Psi_{i} + \Omega_{i} + \alpha_{i} + \beta_{i} + \gamma_{i} + \delta_{i} + \varepsilon_{i} + \zeta_{i} + \eta_{i} + \theta_{i} + \iota_{i} + \kappa_{i} + \lambda_{i} + \mu_{i} + v_{i} + \xi_{i} + o_{i} + \pi_{i} + \rho_{i} + \sigma_{i} + \tau_{i} + v_{i} + \Phi_{i} + \chi_{i} + \Psi_{i} + \omega_{i} + \varepsilon_{i} + \vartheta_{i} + \varpi_{i} + \varrho_{i} + \zeta_{i} + \varphi_{i} + \varepsilon_{i} + \varepsilon_{i} + \varphi_{i} + \varepsilon_{i} + \varepsilon_{$$

Math Roman (\mathrm)

$$\begin{split} A_{i} + B_{i} + C_{i} + D_{i} + E_{i} + F_{i} + G_{i} + H_{i} + I_{i} + J_{i} + K_{i} + L_{i} + M_{i} + \\ N_{i} + O_{i} + P_{i} + Q_{i} + R_{i} + S_{i} + T_{i} + U_{i} + V_{i} + W_{i} + X_{i} + Y_{i} + Z_{i} + \\ a_{i} + b_{i} + c_{i} + d_{i} + e_{i} + f_{i} + g_{i} + h_{i} + i_{i} + j_{i} + k_{i} + l_{i} + m_{i} + \\ n_{i} + o_{i} + p_{i} + q_{i} + r_{i} + s_{i} + t_{i} + u_{i} + v_{i} + w_{i} + x_{i} + y_{i} + z_{i} + \\ A_{i} + B_{i} + \Gamma_{i} + \Delta_{i} + E_{i} + Z_{i} + H_{i} + \Theta_{i} + I_{i} + K_{i} + \Lambda_{i} + M_{i} + \\ N_{i} + \Xi_{i} + O_{i} + \Pi_{i} + P_{i} + \Sigma_{i} + T_{i} + \Upsilon_{i} + \Phi_{i} + X_{i} + \Psi_{i} + \Omega_{i} + \end{split}$$

$$\begin{aligned} &A_{i} + B_{i} + C_{i} + D_{i} + E_{i} + F_{i} + G_{i} + H_{i} + I_{i} + J_{i} + K_{i} + L_{i} + M_{i} + N_{i} + O_{i} + P_{i} + Q_{i} + R_{i} + S_{i} + T_{i} + U_{i} + V_{i} + W_{i} + X_{i} + Y_{i} + Z_{i} + a_{i} + b_{i} + c_{i} + d_{i} + e_{i} + f_{i} + g_{i} + h_{i} + i_{i} + j_{i} + k_{i} + l_{i} + m_{i} + n_{i} + o_{i} + p_{i} + q_{i} + r_{i} + s_{i} + t_{i} + u_{i} + v_{i} + w_{i} + x_{i} + y_{i} + z_{i} + A_{i} + B_{i} + \Gamma_{i} + \Delta_{i} + E_{i} + Z_{i} + H_{i} + \Theta_{i} + I_{i} + K_{i} + \Lambda_{i} + M_{i} + N_{i} + E_{i} + O_{i} + \Pi_{i} + P_{i} + \Sigma_{i} + T_{i} + Y_{i} + \Phi_{i} + X_{i} + \Psi_{i} + \Omega_{i} + A_{i} + A$$

6 Accent positioning

Default

Math Italic (\mathit)

Math Roman (\mathrm)

$$\hat{0} + \hat{1} + \hat{2} + \hat{3} + \hat{4} + \hat{5} + \hat{6} + \hat{7} + \hat{8} + \hat{9} + \\ \hat{A} + \hat{B} + \hat{C} + \hat{D} + \hat{E} + \hat{F} + \hat{G} + \hat{H} + \hat{I} + \hat{J} + \hat{K} + \hat{L} + \hat{M} + \\ \hat{N} + \hat{O} + \hat{P} + \hat{Q} + \hat{R} + \hat{S} + \hat{T} + \hat{U} + \hat{V} + \hat{W} + \hat{X} + \hat{Y} + \hat{Z} + \\ \hat{a} + \hat{b} + \hat{c} + \hat{d} + \hat{e} + \hat{f} + \hat{g} + \hat{h} + \hat{i} + \hat{j} + \hat{k} + \hat{I} + \hat{m} + \\ \hat{n} + \hat{o} + \hat{p} + \hat{q} + \hat{r} + \hat{s} + \hat{t} + \hat{u} + \hat{v} + \hat{w} + \hat{x} + \hat{y} + \hat{z} + \\ \hat{A} + \hat{B} + \hat{\Gamma} + \hat{\Delta} + \hat{E} + \hat{Z} + \hat{H} + \hat{\Theta} + \hat{I} + \hat{K} + \hat{\Lambda} + \hat{M} + \\ \hat{N} + \hat{\Xi} + \hat{O} + \hat{\Pi} + \hat{P} + \hat{\Sigma} + \hat{T} + \hat{\Upsilon} + \hat{\Phi} + \hat{X} + \hat{\Psi} + \hat{\Omega} +$$

$$\hat{0} + \hat{1} + \hat{2} + \hat{3} + \hat{4} + \hat{5} + \hat{6} + \hat{7} + \hat{8} + \hat{9} +$$

$$\hat{A} + \hat{B} + \hat{C} + \hat{D} + \hat{E} + \hat{F} + \hat{G} + \hat{H} + \hat{I} + \hat{J} + \hat{K} + \hat{L} + \hat{M} +$$

$$\hat{N} + \hat{O} + \hat{P} + \hat{Q} + \hat{R} + \hat{S} + \hat{T} + \hat{U} + \hat{V} + \hat{W} + \hat{X} + \hat{Y} + \hat{Z} +$$

$$\hat{a} + \hat{b} + \hat{c} + \hat{d} + \hat{e} + \hat{f} + \hat{g} + \hat{h} + \hat{I} + \hat{J} + \hat{k} + \hat{I} + \hat{m} +$$

$$\hat{n} + \hat{o} + \hat{p} + \hat{q} + \hat{r} + \hat{s} + \hat{t} + \hat{u} + \hat{v} + \hat{w} + \hat{x} + \hat{y} + \hat{z} +$$

$$\hat{A} + \hat{B} + \hat{\Gamma} + \hat{\Delta} + \hat{E} + \hat{Z} + \hat{H} + \hat{O} + \hat{I} + \hat{K} + \hat{\Lambda} + \hat{M} +$$

$$\hat{N} + \hat{\Xi} + \hat{O} + \hat{\Pi} + \hat{P} + \hat{\Sigma} + \hat{T} + \hat{Y} + \hat{\Phi} + \hat{X} + \hat{\Psi} + \hat{\Omega} +$$

7 Differentials

```
\begin{split} \partial A + \partial B + \partial C + \partial D + \partial E + \partial F + \partial G + \partial H + \partial I + \partial J + \partial K + \partial L + \partial M + \\ \partial N + \partial O + \partial P + \partial Q + \partial R + \partial S + \partial T + \partial U + \partial V + \partial W + \partial X + \partial Y + \partial Z + \\ \partial \alpha + \partial b + \partial c + \partial d + \partial e + \partial f + \partial g + \partial h + \partial i + \partial j + \partial k + \partial I + \partial m + \\ \partial n + \partial o + \partial p + \partial q + \partial r + \partial s + \partial t + \partial u + \partial v + \partial w + \partial x + \partial y + \partial z + \\ \partial A + \partial B + \partial \Gamma + \partial \Delta + \partial E + \partial Z + \partial H + \partial \Theta + \partial I + \partial K + \partial \Lambda + \partial M + \\ \partial N + \partial \Xi + \partial O + \partial \Pi + \partial P + \partial \Sigma + \partial T + \partial Y + \partial \Phi + \partial X + \partial \Psi + \partial \Omega + \\ \partial \alpha + \partial \beta + \partial \gamma + \partial \delta + \partial \varepsilon + \partial \zeta + \partial \eta + \partial \theta + \partial I + \partial K + \partial \Lambda + \partial \mu + \\ \partial V + \partial \xi + \partial o + \partial \pi + \partial \rho + \partial \sigma + \partial \tau + \partial u + \partial \phi + \partial \chi + \partial \Psi + \partial \omega + \\ \partial \varepsilon + \partial \vartheta + \partial \varpi + \partial \varrho + \partial \zeta + \partial \Psi + \\ \partial A + \partial B + \partial \Gamma + \partial \Delta + \partial E + \partial Z + \partial H + \partial \Theta + \partial I + \partial K + \partial \Lambda + \partial M + \\ \partial N + \partial \Xi + \partial O + \partial \Pi + \partial P + \partial \Sigma + \partial T + \partial \Upsilon + \partial \Phi + \partial X + \partial \Psi + \partial \Omega + \\ \partial \Omega + \partial \Theta + \partial \Omega + \partial \Omega
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8 Slash kerning

```
 1/A + 1/B + 1/C + 1/D + 1/E + 1/F + 1/G + 1/H + 1/I + 1/J + 1/K + 1/L + 1/M + 1/N + 1/O + 1/P + 1/Q + 1/R + 1/S + 1/T + 1/U + 1/V + 1/W + 1/X + 1/Y + 1/Z + 1/a + 1/b + 1/c + 1/d + 1/e + 1/f + 1/g + 1/h + 1/i + 1/j + 1/k + 1/l + 1/m + 1/n + 1/o + 1/p + 1/q + 1/r + 1/s + 1/t + 1/u + 1/v + 1/w + 1/x + 1/y + 1/z + 1/A + 1/B + 1/\Gamma + 1/\Delta + 1/E + 1/Z + 1/H + 1/O + 1/I + 1/K + 1/\Lambda + 1/M + 1/N + 1/\Xi + 1/O + 1/\Pi + 1/P + 1/\Sigma + 1/T + 1/Y + 1/O + 1/X + 1/\Psi + 1/O + 1/A + 1/B + 1/Y + 1/\delta + 1/E + 1/Z + 1/\eta + 1/\theta + 1/i + 1/\lambda + 1/\mu + 1/\rho + 1/i + 1/\rho + 1/i + 1/\rho + 1/i + 1/\rho + 1/i + 1/\rho + 1/\rho
```

```
A/2 + B/2 + C/2 + D/2 + E/2 + F/2 + G/2 + H/2 + I/2 + J/2 + K/2 + L/2 + M/2 + N/2 + O/2 + P/2 + Q/2 + R/2 + S/2 + T/2 + U/2 + V/2 + W/2 + X/2 + Y/2 + Z/2 + a/2 + b/2 + c/2 + d/2 + e/2 + f/2 + g/2 + h/2 + i/2 + j/2 + k/2 + l/2 + m/2 + n/2 + o/2 + p/2 + q/2 + r/2 + s/2 + t/2 + u/2 + v/2 + w/2 + x/2 + y/2 + z/2 + A/2 + B/2 + \Gamma/2 + \Delta/2 + E/2 + Z/2 + H/2 + O/2 + I/2 + K/2 + A/2 + M/2 + N/2 + E/2 + D/2 + T/2 + Y/2 + O/2 + X/2 + W/2 + O/2 + O/2
```

9 Big operators

$$\sum_{i=1}^{n} x^{n} \prod_{i=1}^{n} x^{n} \prod_{i=1}^{n} x^{n} \int_{i=1}^{n} x^{n} \oint_{i=1}^{n} x^{n}$$

$$\bigotimes_{i=1}^{n} x^{n} \bigoplus_{i=1}^{n} x^{n} \bigcap_{i=1}^{n} x^{n} \bigvee_{i=1}^{n} x^{n} \bigcup_{i=1}^{n} x^{n} \bigcup_{i=1}^{n} x^{n} \bigcap_{i=1}^{n} x^{n} \bigcup_{i=1}^{n} x^{n}$$

10 Radicals

$$\sqrt{x+y} \qquad \sqrt{x^2+y^2} \qquad \sqrt{x_i^2+y_j^2} \qquad \sqrt{\left(\frac{\cos x}{2}\right)} \qquad \sqrt{\left(\frac{\sin x}{2}\right)}$$

$$\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{x+y}}}}}$$

11 Over- and underbraces

$$\widehat{x} \quad \widehat{x+y} \quad \widehat{x^2+y^2} \quad \widehat{x_i^2+y_j^2} \quad \underbrace{x} \quad \underbrace{x+y} \quad \underbrace{x_i+y_j} \quad \underbrace{x_i^2+y_j^2}$$

12 Normal and wide accents

$$\dot{x} \quad \ddot{x} \quad \bar{x} \quad \overline{x} \quad \overline{x} \quad \overline{x} \quad \tilde{x} \quad$$

13 Long arrows

$$\longleftarrow \rightarrow \ \leftrightarrow \ \longleftarrow \ \longrightarrow \ \Longleftrightarrow \ \Longleftrightarrow \ \Longleftrightarrow \ \Longleftrightarrow \ \Longleftrightarrow$$

14 Left and right delimters

$$-(f)$$
 $--[f]$ $--\lfloor f \rfloor$ $--\lceil f \rceil$ $--\langle f \rangle$ $--\{f\}$ -

Using $\left\langle \right\rangle$ left and $\left\langle \right\rangle$ left.

$$-(f)--[f]--\left\lfloor f\right\rfloor --\left\lceil f\right\rceil --\left\langle f\right\rangle --\{f\}-$$

$$-)f(--]f[--/f/--\backslash f\backslash --/f\backslash --\backslash f/-$$

15 Big-g-g delimters

16 Binary Operators

$x \pm y$	\pm	$x \cap y$	\cap	$x \diamond y$	\diamond	$x \oplus y$	\oplus
$x \mp y$	\mp	$x \cup y$	\cup	$x \triangle y$	\bigtriangleup	$x \ominus y$	\ominus
$x \times y$	\times	$x \uplus y$	\uplus	$x \nabla y$	\bigtriangledown	$x \otimes y$	\otimes
x ÷ y	\div	$x \sqcap y$	\sqcap	$x \triangleleft y$	\triangleleft	$x \oslash y$	\oslash
x * y	\ast	$x \sqcup y$	\sqcup	$x \triangleright y$	\triangleright	$x \odot y$	\odot
$x \star y$	\star	$x \vee y$	\vee	$x \triangleleft y$	\lhd	$x \bigcirc y$	\bigcirc
$x \circ y$	\circ	$x \wedge y$	\wedge	$x \triangleright y$	\rhd	x † y	\dagger
$x \bullet y$	\bullet	$x \setminus y$	\setminus	$x \triangleleft y$	\unlhd	x ‡ y	\ddagger
$x \cdot y$	\cdot	$x \wr y$	\wr	$x \trianglerighteq y$	\unrhd	x§y	\ S
x + y	+	x - y	-	$x \coprod y$	\amalg	$x \P y$	\P

17 Relations

$x \leq y$	\leq	$x \ge y$	\geq	$x \equiv y$	\equiv	$x \models y$	\models
$x \prec y$	\prec	$x \succ y$	\succ	$x \sim y$	\sim	$x \perp y$	\perp
$x \leq y$	\preceq	$x \succeq y$	\succeq	$x \simeq y$	\simeq	$x \mid y$	\mid
$x \ll y$	\11	$x \gg y$	\gg	$x \simeq y$	\asymp	$x \parallel y$	\parallel
$x \subset y$	\subset	$x\supset y$	\supset	$x \approx y$	\approx	$x \bowtie y$	\bowtie
$x \subseteq y$	\subseteq	$x \supseteq y$	\supseteq	$x \cong y$	\cong	$x \bowtie y$	\Join
$x \sqsubset y$	\sqsubset	$x \supset y$	\sqsupset	x ≠ y	\neq	$x \smile y$	\smile
$x \sqsubseteq y$	\sqsubseteq	$x \supseteq y$	\sqsupseteq	$x \doteq y$	\doteq	$x \frown y$	\frown
$x \in y$	\in	$x \ni y$	\ni	$x \propto y$	\propto	x = y	=
$x \vdash y$	\vdash	$x \dashv y$	\dashv	x < y	<	x > y	>
x:y	:						

18 Punctuation

```
x,y , x;y ; x:y \colon x.y \ldotp x\cdot y \cdotp
```

19 Arrows

```
\leftarrow
                                                       \longleftarrow
                                                                                                  \uparrow
x \leftarrow y
                                         x \leftarrow y
                                                                                      x \uparrow y
            \Leftarrow
                                         x \longleftarrow y
                                                       \Longleftarrow
                                                                                      x \uparrow y
                                                                                                  \Uparrow
x \leftarrow y
           \rightarrow
                                         x \longrightarrow y
                                                       \longrightarrow
                                                                                                  \downarrow
x \rightarrow y
                                                                                      x \downarrow y
           \Rightarrow
                                         x \Longrightarrow y
                                                       \Longrightarrow
                                                                                      x \downarrow y
                                                                                                  \Downarrow
x \Rightarrow y
           \leftrightarrow
                                         x \longleftrightarrow y
                                                     \longleftrightarrow x \updownarrow y
                                                                                                  \updownarrow
x \leftrightarrow y
           \Leftrightarrow
                                                       \Longleftrightarrow
x \Leftrightarrow y
                                         x \iff y
                                                                                      \Updownarrow
x \mapsto y
           \mapsto
                                         x \longmapsto y
                                                       \longmapsto
                                                                                      \nearrow
           \hookleftarrow
                                                       \hookrightarrow
                                                                                      x \searrow y
                                         x \hookrightarrow y
                                                                                                  \searrow
x \leftarrow y
                                                                                      \begin{array}{cccc} x \swarrow y \\ x \nwarrow y \end{array}
x \leftarrow y
           \leftharpoonup
                                         x \rightarrow y
                                                       \rightharpoonup
                                                                                                  \swarrow
           \leftharpoondown
                                                       \rightharpoondown
                                                                                                  \nwarrow
x \leftarrow y
                                         x \rightarrow y
           \rightleftharpoons x \leadsto y
                                                       \leadsto
x \rightleftharpoons y
```

20 Miscellaneous Symbols

x y	\ldots	$x \cdots y$	\cdots	x:y	\vdots	x [∵] . y	\ddots
хNу	\aleph	x/y	\prime	$x \forall y$	\forall	$x \infty y$	\infty
хћу	\hbar	x∅y	\emptyset	$x\exists y$	\exists	$x \square y$	\Box
xıy	\imath	$x \nabla y$	\nabla	$x \neg y$	\neg	$x \Diamond y$	\Diamond
xjy	\jmath	$x\sqrt{y}$	\surd	x♭y	\flat	$x \triangle y$	\triangle
$x \ell y$	\ell	$x \top y$	\top	x atural y	\natural	x ♣ y	\clubsuit
х ℘ у	\wp	$x \perp y$	\bot	<i>x</i> ‡ <i>y</i>	\sharp	$x \diamondsuit y$	\diamondsuit
$x\Re y$	\Re	$x \parallel y$	\	$x \setminus y$	\backslash	x♡y	\heartsuit
х҈у	\Im	x∠y	\angle	x∂y	\partial	$x \spadesuit y$	\spadesuit
$x \mho y$	\mho	x.y	•	$x \mid y$	1	x!y	!

21 Variable-sized Operators

$x \sum y$	\sum	$X \cap y$	\bigcap	$x \odot y$	\bigodot
x ∏ y	\prod	x 🔘 y	\bigcup	$x \otimes y$	\bigotimes
x ∐ y	\coprod	$x \coprod y$	\bigsqcup	$x \bigoplus y$	\bigoplus
x∫y	\int	$x \lor y$	\bigvee	$x \uplus y$	\biguplus
x∮y	\oint	$x \wedge y$	\bigwedge		

22 Log-like Operators

```
x exp y
                                                     x lim sup y
                                                                  x min y
x arccos y
           x cos y
                      x csc y
                                          x ker y
                                                                            x sinh y
x arcsin y
           x cosh y
                      x deg y
                               x gcd y
                                          x lg y
                                                     x ln y
                                                                  x Pr y
                                                                            x sup y
x arctan y x cot y
                      x det y
                               x hom y x lim y
                                                     x log y
                                                                  x sec y
                                                                            x tan y
            x coth y
                     x \dim y \quad x \inf y
                                          x lim inf y
x arg y
                                                     x max y
                                                                  x sin y
                                                                            x tanh y
```

23 Delimiters

```
x(y)
                      x)y
                                                        \uparrow
                                                                                        \Uparrow
                                             x \uparrow y
                                                                             x \uparrow y
        [
x[y]
                      x]y
                                             x \downarrow y
                                                        \downarrow
                                                                             x \downarrow y
                                                                                        \Downarrow
x{y
        \{
                      x}y
                               \}
                                             x \updownarrow y
                                                        \updownarrow
                                                                             \Updownarrow
x \mid y
        \lfloor
                      x \mid y
                               \rfloor
                                             x [y
                                                        \lceil
                                                                             x y
                                                                                        \rceil
                                                                                        \backslash
x \langle y
        \langle
                      x \rangle y
                               \rangle
                                             x/y
                                                                             x \setminus y
                      x \parallel y
                               \backslash I
x \mid y
```

24 Large Delimiters

```
\rmoustache \ \rmoustache \rmoustache \ \rmoustache \rmoustache \ \rmoustache \rmoustache \ \rmoustache \ \rmoustache \rmoustache \ \rmoustache \rmoustache \ \rmoustache \rmoustache \rmoustache \rmoustache \ \rmoustache \rmoustache \ \rmoustache \rmoustache \rmoustache \rmoustache \ \rmoust
```

25 Math Mode Accents

```
\hat{a} \hat{a} \acute{a} \acute{a} \bar{a} \bar{a} \acute{a} \dot{a} \breve{a} \breve{a} \breve{a} \check{a} \grave{a} \grave{a} \vec{a} \vec{a} \ddot{a} \dot{a} \tilde{a} \tilde{a}
```

26 Miscellaneous Constructions

a b c a b c	<pre>\widetilde{abc} \overleftarrow{abc}</pre>	$\widehat{a\ b\ c}$ $\overrightarrow{a\ b\ c}$	<pre>\widehat{abc} \overrightarrow{abc}</pre>
a b c	\overline{abc}	<u>a b c</u>	\underline{abc}
a b c	\overbrace{abc}	a b c	\underbrace{abc}
\sqrt{abc}	\sqrt{abc}	$\sqrt[n]{a b c}$	\sqrt[n]{abc}
f'	f'	<u>abc</u> xyz	\frac{abc}{xyz}

27 AMS Delimiters

```
x^{-}y \ulcorner x^{-}y \urcorner x_{\perp}y \llcorner x_{\perp}y \llcorner
```

28 AMS Arrows

$x \longrightarrow y$	\dashrightarrow	x ← y	\dashleftarrow
$x \sqsubseteq y$	\leftleftarrows	$x \leftrightarrows y$	\leftrightarrows
$x \Leftarrow y$	\Lleftarrow	<i>x</i>	\twoheadleftarrow
$x \leftarrow y$	\leftarrowtail	<i>x</i>	\looparrowleft
$x \leftrightharpoons y$	\leftrightharpoons	$x \cap y$	\curvearrowleft
хÓу	\circlearrowleft	х¶у	\Lsh
x ↑↑ y	\upuparrows	x 1 y	\upharpoonleft
$x \downarrow y$	\downharpoonleft	$x \rightarrow y$	\multimap
x ↔ y	\leftrightsquigarrow	$x \rightrightarrows y$	\rightrightarrows
$x \rightleftarrows y$	\rightleftarrows	$x \rightrightarrows y$	\rightrightarrows
$x \rightleftarrows y$	\rightleftarrows	$x \rightarrow y$	\twoheadrightarrow
$x \mapsto y$	\rightarrowtail	$x \Rightarrow y$	\looparrowright
$x \rightleftharpoons y$	\rightleftharpoons	$x \cap y$	\curvearrowright
хоу	\circlearrowright	x ightharpoonup y	\Rsh
$x \downarrow \downarrow y$	\downdownarrows	$x \upharpoonright y$	\upharpoonright
$x \mid y$	\downharpoonright	x ⊶ y	\rightsquigarrow

29 AMS Negated Arrows

```
x \leftrightarrow y \nleftarrow x \nrightarrow y \nrightarrow x \nleftrightarrow y \nRightarrow x \nleftrightarrow y \nleftrightarrow x \nleftrightarrow y \nLeftrightarrow
```

30 AMS Greek

```
x_{F}y \digamma x_{X}y \varkappa
```

31 AMS Hebrew

32 AMS Miscellaneous

хћу	\hbar	хћу	\hslash
$x \triangle y$	\vartriangle	$x \nabla y$	\triangledown
$x \square y$	\square	$x \Diamond y$	\lozenge
хSу	\circledS	$x \angle y$	\angle
x∡y	\measuredangle	x∄y	\nexists
$x \mho y$	\mho	$x \exists y$	\Finv ^u
хӘу	\Game^u	x k y	$ackslash$ Bbbk u
<i>x\y</i>	\backprime	хØу	\varnothing
$x \blacktriangle y$	\blacktriangle	$x \nabla y$	\blacktriangledown
x∎y	\blacksquare	<i>x</i> ♦ <i>y</i>	\blacklozenge
$x \bigstar y$	\bigstar	x∢y	\sphericalangle
хСу	\complement	хðу	\eth
x / y	\diagup^u	$x \setminus y$	\diagdown ^u
^u Not def	inedin amssymb.sty	, define	using the \newsymbol command.

33 AMS Binary Operators

$x \dotplus y$	\dotplus	$x \setminus y$	\smallsetminus
$x \cap y$	\Cap	$x \cup y$	\Cup
$x \overline{\wedge} y$	\barwedge	x ⊻ y	\veebar
$x \stackrel{\equiv}{\wedge} y$	\doublebarwedge	$x \boxminus y$	\boxminus
$x \boxtimes y$	\boxtimes	$x \odot y$	\boxdot
$x \boxplus y$	\boxplus	x ∗ y	\divideontimes
$x \ltimes y$	\ltimes	$x \rtimes y$	\rtimes
$x \geq y$	\leftthreetimes	$x \wedge y$	\rightthreetimes
$x \downarrow y$	\curlywedge	x ightharpoonup y	\curlyvee
$x \ominus y$	\circleddash	$x \otimes y$	\circledast
$x \odot y$	\circledcirc	<i>x</i> . <i>y</i>	\centerdot
<i>x</i> T <i>y</i>	\intercal		

34 AMS Relations

$x \leq y$	\leqq	$x \leq y$	\leqslant
$x \leqslant y$	\eqslantless	$x \lesssim y$	\lesssim
<i>x</i> ≲ <i>y</i>	\lessapprox	$x \approx y$	\approxeq
$x \lessdot y$	\lessdot	$x \ll y$	\111
$x \leq y$	\lessgtr	$x \leq y$	\lesseqgtr
$x \leq y$	\lesseqqgtr	$x \doteq y$	\doteqdot
x ≘ y	\risingdotseq	x = y	\fallingdotseq
$x \sim y$	\backsim	$x \hookrightarrow y$	\backsimeq
$x \subseteq y$	\subseteqq	$x \subseteq y$	\Subset
$x \sqsubset y$	\sqsubset	$x \leq y$	\preccurlyeq
$x \not < y$	\curlyeqprec	$x \lesssim y$	\precsim
x	\precapprox	$x \triangleleft y$	\vartriangleleft
$x \leq y$	\trianglelefteq	$x \models y$	\vDash
x II⊢ y	\Vvdash	$x \smile y$	\smallsmile
$x \frown y$	\smallfrown	$x \simeq y$	\bumpeq
$x \Rightarrow y$	\Bumpeq	$x \ge y$	\geqq
$x \ge y$	\geqslant	$x \geqslant y$	\eqslantgtr
$x \gtrsim y$	\gtrsim	$x \gtrsim y$	\gtrapprox
x > y	\gtrdot	x ≫ y	\ggg
$x \geqslant y$	\gtrless	$x \geq y$	\gtreqless
$x \geq y$	\gtreqqless	x = y	\eqcirc
$x \stackrel{\triangleright}{=} y$	\circeq	$x \triangleq y$	\triangleq
$x \sim y$	\thicksim	$x \approx y$	\thickapprox
$x \supseteq y$	\supseteqq	$x \ni y$	\Supset
$x \supset y$	\sqsupset	$x \succcurlyeq y$	\succcurlyeq
x > y	\curlyeqsucc	$x \gtrsim y$	\succsim
x	\succapprox	$x \triangleright y$	\vartriangleright
$x \trianglerighteq y$	\trianglerighteq	x	\Vdash
$x \mid y$	\shortmid	$x \parallel y$	\shortparallel
$x \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	\between	$x \pitchfork y$	\pitchfork
$x \propto y$	\varpropto	<i>x</i> ⋖ <i>y</i>	\blacktriangleleft
x ∴ y	\therefore	хэу	\backepsilon
$x \triangleright y$	\blacktriangleright	x ∵ y	\because

35 AMS Negated Relations

x ≮ y	\nless	x ≰ y	\nleq
x ≰ y	\nleqslant	x ≰ y	\nleqq
$x \leq y$	\lneq		\lneqq
$x \leq y$	\lvertneqq	<i>x</i> ≲ <i>y</i>	\lnsim
x ≨ y	\lnapprox	$x \not\prec y$	\nprec
$x \not \leq y$	\npreceq	x ⋨ y	\precnsim
х ≨у	\precnapprox	<i>x</i> ≁ <i>y</i>	\nsim
$x \dot{x} y$	\nshortmid	$x \nmid y$	\nmid
x ⊬ y	\nvdash	$x \nvDash y$	\nvDash
$x \not = y$	\ntriangleleft	x ⊉ y	\ntrianglelefteq
x ⊈ y	\nsubseteq	$x \subsetneq y$	\subsetneq
$x \not\subseteq y$	\varsubsetneq	$x \subsetneq y$	\subsetneqq
x ≨ y	\varsubsetneqq	$x \not> y$	\ngtr
x ≱ y	\ngeq	$x \not\geq y$	\ngeqslant
x ≹ y	\ngeqq	$x \geq y$	\gneq
$x \ngeq y$	\gneqq		\gvertneqq
$x \gtrsim y$	\gnsim	x ≩ y	\gnapprox
$x \not\succ y$	\nsucc	$x \not\succeq y$	\nsucceq
	nsucceqq	x	\succnsim
х≽у	\succnapprox	x ≇ y	\ncong
хиу	\nshortparallel	$x \nmid y$	\nparallel
$x \nvDash y$	\nvDash	x ⊮ y	\nVDash
x ⋫ y	\ntriangleright	x ≱ y	
x ⊉ y	\nsupseteq	x ⊉ y	\nsupseteqq
$x \supsetneq y$	\supsetneq	$x \supseteq y$	\varsupsetneq
$x \supseteq y$	\supsetneqq	x	\varsupsetneqq