- **Text: Umlaute & fonts:**
  rm: Äqüätœr abcABC00, 123-45+6.0%§,
  it: *Äqüätœr abcABC00, 123-45+6.0%§,*
  sf: Äqüätœr abcABC00, 123-45+6.0%§,
  tt: `Äqüätœr abcABC00, 123-45+6.0%§,`
  cal: Äqüätœr abcABC00, 123-45+6.0%ß,
  scr: Äqüätœr abcABC00, 123-45+6.0%§,
  bb: Äqüätœr abcABC00, 123-45+6.0%§,
  frak: Äqüätœr abcABC00, 123-45+6.0%§,

- **text: Umlaute**:ÄäÀàÁáÂâÃãÅåĂăĀāÅåÆæČčĚëèŁłÖöÒòÓóÔôÕõØøŒæŠšßÜüÙùÚúÛûŨũ

- **math: Umlaute and fonts**
  rm: Äqüätœr abcABC00, 123-45+6.0%§
  bs: $\ddot{A}q\ddot{u}\ddot{a}t\text{œ}rabcABC00, 123 - 45 + 6.0\%§, ,$
  it: $\ddot{A}q\ddot{u}\ddot{a}t\text{œ}rabcABC00, 123 - 45 + 6.0\%§,$
  rm: $\ddot{A}q\ddot{u}\ddot{a}t\text{œ}rabcABC00, 123 - 45 + 6.0\%§,$
  sf: $\ddot{A}q\ddot{u}\ddot{a}t\text{œ}rabcABC00, 123 - 45 + 6.0\%§,$
  tt: $\ddot{A}q\ddot{u}\ddot{a}t\text{œ}rabcABC00, 123 - 45 + 6.0\%§,$
  cal: $\mathcal{A}II\ddot{\sqcap}\sqcup\text{œ}\nabla\dashv\lfloor\rfloor\mathcal{ABC}\,\prime\prime, \infty\in\ni - \triangle\triangledown + \mathcal{J}\%§,$
  scr: $\mathscr{A}\text{œ}\mathscr{ABC}, - + .\%§,$
  bb: $\ddot{A}_{II}\widetilde{\cong}\ddot{\mathbb{O}}\approx\text{œ}\diagdown\partial\mathbb{ABC}\mathcal{V}\mathcal{V}, \mathcal{V}\mathcal{V}\mathcal{V} - \not\subset\not\subset + \mathcal{A}\mathcal{V}\%§,$
  frak: $\mathfrak{A}q\ddot{u}\ddot{a}t\text{œ}rabc\mathfrak{ABC}oo, 123 - 45 + 6.0\%§$

text:	abc123+d/e
textit:	*abc123+d/e*
textbf:	**abc123+d/e**
math:	$abc123 + d/e$
mathrm:	$\mathrm{abc123 + d/e}$
mathit:	$\mathit{abc123 + d/e}$
mathbf:	$\mathbf{abc123 + d/e}$
mathfrak:	$\mathfrak{abc123 + d/e}$

- $xHq \, | \, | \, \Big| \, \Big\| \, \bigg\|$

  $xHq \, (\, (\, \Big(\, \bigg(\, \Bigg($

- **std dev:**

$$\sigma_x = \sqrt{\langle (x - \langle x \rangle)^2 \rangle} = \sqrt{\frac{1}{N-1} \cdot \left(\sum_{i=1}^{N} x_i{}^2 - \frac{1}{N} \cdot \left(\sum_{i=1}^{N} x_i \right)^2 \right)}$$

- **std dev 2:**

$$\sigma_x = \sqrt{\langle (x - \langle x \rangle)^2 \rangle} = \sqrt{\frac{1}{N-1} \cdot \left(\sum_{i=1}^{N} x_i^2 - \frac{1}{N} \cdot \left(\sum_{i=1}^{N} x_i \right)^2 \right)}$$

- **rotation matrix:**

$$\mathbf{M}(\alpha) = \begin{pmatrix} \cos(\alpha) + n_x^2 \cdot (1 - \cos(\alpha)) & n_x \cdot n_y \cdot (1 - \cos(\alpha)) - n_z \cdot \sin(\alpha) & n_x \cdot n_z \cdot (1 - \cos(\alpha)) + n_y \cdot \sin(\alpha) \\ n_x \cdot n_y \cdot (1 - \cos(\alpha)) + n_z \cdot \sin(\alpha) & \cos(\alpha) + n_y^2 \cdot (1 - \cos(\alpha)) & n_y \cdot n_z \cdot (1 - \cos(\alpha)) - n_x \cdot \sin(\alpha) \\ n_z \cdot n_x \cdot (1 - \cos(\alpha)) - n_y \cdot \sin(\alpha) & n_z \cdot n_y \cdot (1 - \cos(\alpha)) + n_x \cdot \sin(\alpha) & \cos(\alpha) + n_z^2 \cdot (1 - \cos(\alpha)) \end{pmatrix}$$

- **like in label at bottom (no MM):**

$$\left(\left[\sqrt{2\pi \cdot \int_{-\infty}^{\infty} f(x) \, \mathrm{d}x} \right] \right)$$

- **like in label at bottom (MM):**

$$\left(\left[\sqrt{2\pi \cdot \int_{-\infty}^{\infty} f(x) \, \mathrm{d}x} \right] \right)$$

- **decoration:**

$$\vec{x}\vec{X}\vec{\psi} - -\dot{x}\dot{X}\dot{\psi} - -\ddot{x}\ddot{X}\ddot{\psi} - -\overline{x}\overline{X}\overline{\psi} - -\underline{x}\underline{X}\underline{\psi} - -\hat{x}\hat{X}\hat{\psi} - -\tilde{x}\tilde{X}\tilde{\psi} - -\underline{\underline{x}}\underline{\underline{X}}\underline{\underline{\psi}} - -\overline{\overline{x}}\overline{\overline{X}}\overline{\overline{\psi}} - -\bar{x}\bar{X}\bar{\psi} - -\overrightarrow{x}\overrightarrow{X}\overrightarrow{\psi}$$

- **mathtest:**

  This is normal text: $thisismath : \langle r^2(\tau) \rangle = \left\langle (\vec{r}(t) - \vec{r}(t+\tau))^2 \right\rangle \quad g(\tau) = \frac{1}{N} \cdot \left(1 + \frac{2}{3}\frac{\langle r^2(\tau) \rangle}{w_{xy}^2}\right)^{-1} \sqcup \sqcap \langle \rangle \left\{ \vec{a} \,\middle|\, \|\vec{a}\|_2 \geq 2 \right\} \vec{r}\vec{R}$

  $\frac{\sqrt{\sqrt{\sqrt{\sum_{i=0}^{\infty} \hat{i}^2 + y^\alpha} + 1}}}{\dot{v} \equiv \ddot{r}} \arg\min_{\vec{k}} \sum_{\sqrt{i}=0}^{N} \int_{x_0}^{x_1} (((x))) \underbrace{\left[\left\{\frac{\partial f}{\partial x}\right\} \cdot \frac{1}{2}\right]}$ underbraced text $\hbar \cdots \frac{\sqrt{\sum_{i=0}^{2} \hat{i}^2 + y^\alpha}}{\dot{v} \equiv \ddot{r}}, \hat{t}\hat{T} \overbrace{\left|\sqrt{x \cdot Y}\right|} \propto \mathbb{N} \circ \mathbb{Z}$

  $\left\langle \overrightarrow{x(\tau)} \cdot \vec{R}(t+\bar{\tau}) \right\rangle \alpha\beta\gamma\delta\epsilon\Gamma\Delta\Theta\Omega \left\lfloor \left\lceil \sqrt[3]{\hbar\omega} \right\rceil \right\rfloor$

- **chi2 test:**

$$\vec{p}^{\,*} = \arg\max_{\vec{p}} \chi^2 = \arg\max_{\vec{p}} \sum_{i=1}^{N} \left| \frac{\hat{f}_i - f(x_i; \vec{p})}{\sigma_i} \right|^2$$

- **upper/lower parantheses test:**

$$\text{bblabla}\frac{1}{2} \cdot \left(\frac{1}{e^x + e^{-x}}\right) \cdot \left(\frac{1}{\frac{1+2}{5+x}}\right) \cdot \left(\frac{1}{\exp\left[-\frac{y^2}{\sqrt{x}}\right] \cdot \exp\left[-\frac{1}{2}\right]}\right)$$

- **ACF test:**

$$g_{rg}^{ab}(\tau) = \frac{1}{N} \cdot \left(1 + \frac{2}{3}\frac{\langle r^2(\tau) \rangle}{w_{xy}^2}\right)^{-1} \cdot \left(1 + \frac{2}{3}\frac{\langle r^2(\tau) \rangle}{w_{xy}^2}\right)^{-\frac{1}{2}}$$

- **MSD test:**

$$\text{MSD}(\tau) \equiv \langle r^2(\tau) \rangle = \left\langle (\vec{r}(t) - \vec{r}(t+\tau))^2 \right\rangle = 2n \cdot \frac{K_\alpha}{\Gamma(1+\alpha)} \cdot \tau^\alpha$$

- **math: blackboard:**

$$\mathbb{ABCDEFGHIJKLMNOPQRSTUVWXYZ}\not\Vdash\not\Vdash\not\Vdash$$

- **math: bf:**

$$\mathbf{ABCDEFGHIJKLMNOPQRSTUVWXYZ120}$$

- **math: rm:**

$$\mathrm{ABCDEFGHIJKLMNOPQRSTUVWXYZ120}$$

- **math: cal:**

$$\mathcal{ABCDEFGHIJKLMNOPQRSTUVWXYZ}\infty\in\iota$$

- **subscript test:**

$$r_{123} \quad r_{\frac{1}{2}}$$

- **subscript0 test:**

$$r_{123}$$

- **subscript1 test:**

$$r_{123}$$

- **subscript2 test:**

$$r_{123}$$

- **subscript3 test:**

$$r_{123}r_{\frac{1}{2}}$$

- **superscript test:**

$$r^{123} \quad r^{\frac{1}{2}}$$

- **superscript0 test:**

$$r^{123}$$

- **superscript1 test:**

$$r^{123}$$

- **superscript2 test:**

$$r^{123}$$

- **superscript3 test:**

$$r^{123}r^{\frac{1}{2}}$$

- **asuperscript test:**

$$a^{123} \quad a^{\frac{1}{2}}$$

- **asuperscript0 test:**

$$a^{123}$$

- **gsuperscript1 test:**

$$g^{123}$$

- **gsuperscript2 test:**

$$g^{123}$$

- **gsuperscript3 test:**

$$g^{123}g^{\frac{1}{2}}$$

- **frac test:**

$$\frac{a}{b} + \frac{g}{a} - \frac{a^2}{b^2} \cdot \frac{a^2}{b^{\frac{1}{2}}}$$

- **tfrac test:**

$$\tfrac{a}{b} + \tfrac{g}{a} - \tfrac{a^2}{b^2} \cdot \tfrac{a^2}{b^{\frac{1}{2}}}$$

- **dfrac test:**

$$\dfrac{a}{b} + \dfrac{g}{a} - \dfrac{a^2}{b^2} \cdot \dfrac{a^2}{b^{\frac{1}{2}}}$$

- **stackrel test:**

$$\stackrel{a}{b} + \stackrel{g}{a} - \stackrel{a^2}{b^2} \cdot \stackrel{a^2}{b^{\frac{1}{2}}}$$

- **brace5 test: ( )**

$$\left(\left(\left(r^{123}\right)\right)\right) - - \left(\left(\left(r^{123}\right)\right)\right)$$

- **brace6 test: [ ]**

$$\left[\left[\left[r^{123}\right]\right]\right] - - \left[\left[\left[r^{123}\right]\right]\right]$$

- **brace7 test:**

$$\left\{\left\{\left\{r^{123}\right\}\right\}\right\} - - \left\{\left\{\left\{r^{123}\right\}\right\}\right\}$$

- **brace8 test: —— ——**

$$\|\|\|\|\|r^{123}\|\|\|\|\| - - \|\|\|\|\|r^{123}\|\|\|\|\|$$

- **brace9 test: — —**

$$\|\|\|r^{123}\|\|\| - - \|\|\|r^{123}\|\|\|$$

- **brace10 test**

$$\left\{\left[\left(r^{123}\right)\right]\right\} - - \left\{\left[\left(r^{123}\right)\right]\right\}$$

- **brace11 test: floor**

$$\lfloor\lfloor\lfloor r^{123}\rfloor\rfloor\rfloor - - \lfloor\lfloor\lfloor r^{123}\rfloor\rfloor\rfloor$$

- **brace12 test: ceil**

$$\lceil\lceil\lceil r^{123}\rceil\rceil\rceil - - \lceil\lceil\lceil r^{123}\rceil\rceil\rceil$$

- **sub-, superscript test**

$$r^{1234}_{321}r^{1234}_{321} - - r^{1234}_{321}r^{1234}_{321} - - \kappa^2 - - \kappa_2 - - \kappa_2^2$$

- **super-, subscript test**

$$r^{123}_{4321}r^{123}_{4321} - - r^{123}_{4321}r^{123}_{4321} - - \kappa^2 - - \kappa_2 - - \kappa_2^2$$

- **math 1:**

$$f(x) = \int_{-\infty}^{x} e^{-t^2}\,\mathrm{d}t$$

- **math 2:**

$$\sum_{i=1}^{\infty} \frac{-e^{i\pi}}{2^n}$$

- **math 3:**

$$\det \begin{pmatrix} 1 & x_1 & \dots & x_1^{n-1} \\ 1 & x_2 & \dots & x_2^{n-1} \\ \vdots & \vdots & \ddots & \vdots \\ 1 & x_n & \dots & x_n^{n-1} \end{pmatrix} = \prod_{1 \le i < j \le n} (x_j - x_i)$$

- **math 4:**

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

- **math 4:**

$$M\sqrt[3]{1+\sqrt[3]{1+\sqrt[3]{1+\sqrt[3]{1+\sqrt[3]{1+\sqrt[3]{1+x}}}}}}$$

- **math 4:**

$$M\sqrt{1+X}\sqrt[3]{1+X}\sqrt[3.14156]{1+X}$$

- **math 4:**

$$M\sqrt{1+X}\sqrt[\frac{1}{2}]{1+X}\sqrt[3.14156\cdot\frac{1}{2}]{1+X}$$

- **math 4:**

$$M\sqrt{\frac{1}{2}+\sqrt{\frac{1}{2}+\sqrt{\frac{1}{2}+\sqrt{\frac{1}{2}+\sqrt{\frac{1}{2}+\sqrt{1+x}}}}}}$$

- **math 4:**

$$M\sqrt{a}\frac{\sqrt{a}}{\sqrt{a}}\sqrt{\frac{1}{a}}$$

- **math 5:**

$$\binom{p}{2} = x^2 y^{p-2} - \frac{1}{1-x}\frac{1}{1-x^2}$$

- **math 6:**

$$a_0 + \cfrac{1}{a_1 + \cfrac{1}{a_2 + \cfrac{1}{a_3 + \frac{1}{a_4}}}}$$

- **math 7:**

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

- **math 8:**

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

- **math 9:**

$$\iint_D f(x,y)\,\mathrm{d}x\,\mathrm{d}y$$

- **math 10 (overbrace):**

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

- **math 11 (underbrace):**

$$\underbrace{x + x + \ldots + x}_{k \text{ times}}$$

- **math 12 (under/overbrace):**

$$\underbrace{\overbrace{x + x + \ldots + x}^{k \text{ times}}\overbrace{x + x + \ldots + x}^{k \text{ times}}}_{2k \text{ times}}$$

- **math 13:**

$$y_1'' \quad y_2'''$$

- **math 14:**

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

- **math 15:**

$$\Re z = \frac{n\pi \dfrac{\theta + \psi}{2}}{\left(\dfrac{\theta + \psi}{2}\right)^2 + \left(\dfrac{1}{2} \log \left|\dfrac{B}{A}\right|\right)^2}.$$

- **math 16:**

$$\sum_{m=1}^{\infty} \sum_{n=1}^{\infty} \frac{m^2 \, n}{3^m \, (m \, 3^n + n \, 3^m)}$$

- **math 17:**

$$\phi_n(\kappa) = \frac{1}{4\pi^2 \kappa^2} \int_0^\infty \frac{\sin(\kappa R)}{\kappa R} \frac{\partial}{\partial R} \left[R^2 \frac{\partial D_n(R)}{\partial R}\right] \, dR$$

- **math 18:**

$$_pF_q(a_1, \ldots, a_p; c_1, \ldots, c_q; z) = \sum_{n=0}^{\infty} \frac{(a_1)_n \cdots (a_p)_n}{(c_1)_n \cdots (c_q)_n} \frac{z^n}{n!}$$

- **math 19 (overset):**

$$X \overset{=}{\underset{}{de}} f Y \quad X \overset{=}{!} Y \quad X \vec{f} Y \quad \frac{f(x + \Delta x) - f(x)}{\Delta x} \Delta x \overset{\longrightarrow}{} 0 f'(x)$$

- **math 20 (underset):**

$$X \underset{=}{\text{def}} (5) Y \quad X \underset{\to}{f} Y \quad \frac{f(x + \Delta x) - f(x)}{\Delta x} \Delta x \underset{\longrightarrow}{\to} 0 f'(x)$$

- **axiom of power test:**

$$\forall A \, \exists P \, \forall B \, [B \in P \iff \forall C \, (C \in B \Rightarrow C \in A)]$$

- **De Morgan's law:** $\neg(P \wedge Q) \iff (\neg P) \vee (\neg Q)$ or $\overline{\bigcap_{i \in I} A_i} \equiv \bigcup_{i \in I} \overline{A_i}$ or $\overline{A \cup B} \equiv \overline{A} \cap \overline{B}$

- **quadratic formula:**

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

- **combination:**

$$\binom{n}{k} = \frac{n(n-1)...(n-k+1)}{k(k-1)...1} = \frac{n!}{k!(n-k)!}$$

- **Sophomore's dream 1:**

$$\int_0^1 x^{-x} \, dx = \sum_{n=1}^{\infty} n^{-n} \left(=1.29128599706266354040728259059560054149861936827...\right)$$

- **Sophomore's dream 2:**

$$\int_0^1 x^x \, dx = \sum_{n=1}^{\infty} (-1)^{n+1} n^{-n} = -\sum_{n=1}^{\infty} (-n)^{-n} \left(=0.78343051071213440705926438652697546940768199014...\right)$$

- **divergence 1:**

$$\operatorname{div} \vec{F} = \nabla \cdot \vec{F} = \frac{\partial U}{\partial x} + \frac{\partial V}{\partial y} + \frac{\partial W}{\partial z}$$

- **divergence 2:**

$$\overrightarrow{\operatorname{div}} \left(\underline{\underline{\epsilon}}\right) = \begin{bmatrix} \frac{\partial \epsilon_{xx}}{\partial x} + \frac{\partial \epsilon_{yx}}{\partial y} + \frac{\partial \epsilon_{zx}}{\partial z} \\ \frac{\partial \epsilon_{xy}}{\partial x} + \frac{\partial \epsilon_{yy}}{\partial y} + \frac{\partial \epsilon_{zy}}{\partial z} \\ \frac{\partial \epsilon_{xz}}{\partial x} + \frac{\partial \epsilon_{yz}}{\partial y} + \frac{\partial \epsilon_{zz}}{\partial z} \end{bmatrix}$$

- **lim, sum ...:**

$$\lim_{x \to \infty} f(x) = \binom{k}{r} + \frac{a}{b} \sum_{n=1}^{\infty} a_n + \left\{ \frac{1}{13} \sum_{n=1}^{\infty} b_n \right\}.$$

- **Schwinger-Dyson:**

$$\langle \psi \left| \mathcal{T}\{F\phi^j\} \right| \psi \rangle = \langle \psi \left| \mathcal{T}\{iF_{,i}D^{ij} - FS_{int,i}D^{ij}\} \right| \psi \rangle.$$

- **Schrödinger's equation:**

$$\left[-\frac{\hbar^2}{-2m} \frac{\partial^2}{\partial x^2} + V \right] \Psi(x) = i\hbar \frac{\partial}{\partial t} \Psi(x)$$

- **Cauchy-Schwarz inequality:**

$$\left(\sum_{k=1}^{n} a_k b_k \right)^2 \leq \left(\sum_{k=1}^{n} a_k^2 \right) \left(\sum_{k=1}^{n} b_k^2 \right)$$

- **Maxwell's equations:**

$$\nabla \times \vec{\mathbf{B}} - \frac{1}{c} \frac{\partial \vec{\mathbf{E}}}{\partial t} = \frac{4\pi}{c} \vec{\mathbf{j}}$$

$$\nabla \cdot \vec{\mathbf{E}} = 4\pi \rho$$

$$\nabla \times \vec{\mathbf{E}} + \frac{1}{c} \frac{\partial \vec{\mathbf{B}}}{\partial t} = \vec{\mathbf{0}}$$

$$\nabla \cdot \vec{\mathbf{B}} = 0$$

- **math: radicals:**

$$Hxq\sqrt{a}\sqrt{5}\sqrt{-1}\sqrt{h}\sqrt{jA}\sqrt{\vec{A}}\sqrt{\frac{1}{a}\frac{\sqrt{a}}{\sqrt{a}}}\sqrt{\frac{1}{1+\frac{1}{a}}}\frac{1}{\sqrt{1+\frac{1}{a}}}\sqrt{a+\sqrt{a+b}}$$

- **math: non-2 radicals:**

$$Hxq\sqrt[3]{a}\sqrt[3]{5}\sqrt[3]{-1}\sqrt[3]{h}\sqrt[3]{\vec{A}}\sqrt[3]{\frac{1}{a}\frac{\sqrt[3]{a}}{\sqrt[3]{a}}}\sqrt[3]{\frac{1}{1+\frac{1}{a}}}\frac{1}{\sqrt[3]{1+\frac{1}{a}}}\sqrt[3]{a+\sqrt[3]{a+b}}$$

- **math: long non-2 radicals:**

$$Hxq \sqrt[3.14156]{a} \; \sqrt[3.14156]{5}$$

- **math: sum, prod, ...:** no-limits:

$$Hxq \prod_{i=1}^{n} \sum_{j=1}^{c} (i+j) \cdot \frac{1}{2}$$

  – limits:

$$Hxq \prod_{i=1}^{n} \sum_{j=1}^{c} (i+j) \cdot \frac{1}{2}$$

  – long-below:

$$\sum_{n=\{a,b,c,d,e,f,g\}} f(x)$$

  – long-above:

$$\sum^{n=\{a,b,c,d,e,f,g\}} f(x)$$

- **math: more sum-symbols :**

$$Hxq \sum_{i=0}^{N} \prod_{i=0}^{N} \coprod_{i=0}^{N} \bigcup_{i=0}^{N} \bigcap_{i=0}^{N} \bigsqcup_{i=0}^{N} \bigvee_{i=0}^{N} \bigwedge_{i=0}^{N} \bigoplus_{i=0}^{N} \bigotimes_{i=0}^{N} \bigodot_{i=0}^{N} \biguplus_{i=0}^{N}$$

- **math: more sum-symbols, no-limits :** $Hxq \sum_{i=0}^{N} \prod_{i=0}^{N} \coprod_{i=0}^{N} \bigcup_{i=0}^{N} \bigcap_{i=0}^{N} \bigsqcup_{i=0}^{N} \bigvee_{i=0}^{N} \bigwedge_{i=0}^{N} \bigoplus_{i=0}^{N} \bigotimes_{i=0}^{N} \bigodot_{i=0}^{N} \biguplus_{i=0}^{N}$

- **math: integrals:** no-limits:

$$Hxq \int_{0}^{1} f(x)\,\mathrm{d}x \quad \iint_{0}^{1} f(x)\,\mathrm{d}x \quad \iiint_{0}^{1} f(x)\,\mathrm{d}x \quad \oint_{0}^{1} f(x)\,\mathrm{d}x \quad \int_{x} f(x)\,\mathrm{d}x$$

  – limits:

$$\int_{0}^{1} f(x)\,\mathrm{d}x \quad \iint_{0}^{1} f(x)\,\mathrm{d}x \quad \iiint_{0}^{1} f(x)\,\mathrm{d}x \quad \oint_{0}^{1} f(x)\,\mathrm{d}x \quad \int_{x} f(x)\,\mathrm{d}x$$

- **math: frac test:**

$$\frac{a}{b} + \frac{g}{a} - \frac{a^2}{b^2} \cdot \frac{a^2}{b^{\frac{1}{2}}}$$

- **sfrac:** Hxq ½ – $Hxq\frac{1}{2}$ ½ $\frac{1}{2+\frac{1}{2}}$ ½ + ½ ½ + ½ $\frac{1}{2+\frac{1}{2}}$/2 $e^{1/2}$

- **brace+sub/superscript:** $\langle r_{123} \rangle \langle r^{123} \rangle \langle r^{123}_{123} \rangle$

- **math: quadratic formula**

$$x_{1/2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$