- ~~x~~ □ ▭ □
- $x_1^2 X_1^2 q_1^2$
- **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%§,
  scr: Äqüätœr abcABC00, 123-45+6.0%§,
  bb: Äqüätœr abcABC00, 123-45+6.0%§,
  frak: Äqüätœr abcABC00, 123-45+6.0%§,
- **text: Umlaute**:ÄäÀàÁáÂâÃãÅåĂăĀāÅåÆæČčËëėŁłÖöÒòÓóÔôÕõØøŒæŠšßÜüÙùÚúÛûŨũ
- **math: Umlaute and fonts**
  rm: Äqüätœr abcABC00, 123-45+6.0%§
  bs: $\ddot{A}q\ddot{u}\ddot{a}t\text{œ}rabcABC00, 123-45+6.0\%\S,$,
  it: $\mathit{\ddot{A}q\ddot{u}\ddot{a}t}\text{œ}\mathit{rabcABC00}, \mathit{123}-\mathit{45}+\mathit{6.0}\%\S,$
  rm: $\mathrm{\ddot{A}q\ddot{u}\ddot{a}t}\text{œ}\mathrm{rabcABC00}, 123-45+6.0\%\S,$
  sf: $\mathsf{\ddot{A}q\ddot{u}\ddot{a}t}\text{œ}\mathsf{rabcABC00}, 123-45+6.0\%\S,$
  tt: $\mathtt{\ddot{A}q\ddot{u}\ddot{a}t}\text{œ}\mathtt{rabcABC00}, 123-45+6.0\%\S,$
  cal: $\mathcal{\ddot{A}q\ddot{u}\ddot{a}t}\text{œ}\mathcal{rabcABC00}, \mathcal{123}-\mathcal{45}+\mathcal{6.0}\%\S,$
  scr: $\mathscr{\ddot{A}q\ddot{u}\ddot{a}t}\text{œ}\mathscr{rabcABC00}, \mathscr{123}-\mathscr{45}+\mathscr{6.0}\%\S,$
  bb: $\mathbb{\ddot{A}q\ddot{u}\ddot{a}t}\text{œ}\mathbb{rabcABC00}, \mathbb{123}-\mathbb{45}+\mathbb{6.0}\%\S,$
  frak: $\mathfrak{\ddot{A}q\ddot{u}\ddot{a}t}\text{œ}\mathfrak{rabcABC00}, 123-45+6.0\%\S$

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

- $xHq \; | \; \big| \; \Big| \; \bigg| \; \Bigg|$

  $xHq \; (\; \big(\; \Big(\; \bigg(\; \Bigg($

- **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: $thisismath:\langle r^2(\tau)\rangle=\left\langle(\vec{r}(t)-\vec{r}(t+\tau))^2\right\rangle\quad g(\tau)=\frac{1}{N}\cdot\left(1+\frac{2}{3}\frac{\langle r^2(\tau)\rangle}{w_{xy}^2}\right)^{-1}\lfloor\rfloor\lceil\rceil\langle\rangle\left\{\vec{a}\,|\,\|\vec{a}\|_2\geq 2\right\}\vec{r}\vec{R}$ $\frac{\sqrt{\sqrt{\sqrt{\sum_{i=0}^{\infty}\hat{i}^2+y^\alpha}+1}}}{\dot{v}\equiv\ddot{r}}\arg\min_{\vec{k}}\sum_{\sqrt{i}=0}^{N}\int_{x_0}^{x_1}\left(\left(\left(x\right)\right)\right)\underbrace{\left[\left\{\frac{\partial f}{\partial x}\right\}\cdot\frac{1}{2}\right]}$ 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:**

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

- **upper/lower parantheses test:**

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

- **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:**

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

- **math: blackboard:**

$$\mathbb{ABCDEFGHIJKLMNOPQRSTUVWXYZ}\nVdash\nvDash\nvdash$$

- **math: bf:**

$$\mathbf{ABCDEFGHIJKLMNOPQRSTUVWXYZ120}$$

- **math: rm:**

$$\mathrm{ABCDEFGHIJKLMNOPQRSTUVWXYZ120}$$

- **math: cal:**

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

- **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:**

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

- **stackrel test:**

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

- **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: —— ——**

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

- **brace9 test: — —**

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

- **brace10 test**

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

- **brace11 test: floor**

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

- **brace12 test: ceil**

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

- **sub-, superscript test**

$$r_{321}^{1234} r_{321}^{1234} - - r_{321}^{1234} r_{321}^{1234} - - \kappa^2 - - \kappa_2 - - \kappa_2^2$$

- **super-, subscript test**

$$r_{4321}^{123} r_{4321}^{123} - - r_{4321}^{123} r_{4321}^{123} - - \kappa^2 - - \kappa_2 - - \kappa_2^2$$

- **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:**

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

- **math 6:**

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

- **math 7:**

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

- **math 8:**

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

- **math 9:**

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

- **math 10 (overbrace):**

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

- **math 11 (underbrace):**

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

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

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

- **math 13:**

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

- **math 14:**

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

- **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:**

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

- **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):**

$$ X \overset{=}{def} Y \qquad X \overset{=}{!} Y \qquad X \vec{f} Y \qquad \frac{f(x+\Delta x)-f(x)}{\Delta x}\overset{\longrightarrow}{\Delta x \to 0} f'(x) $$

- **math 20 (underset):**

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

- **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:** $\neg(P\land Q) \iff (\neg P)\lor(\neg Q)$ 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:**

$$ \binom{n}{k} = \frac{n(n-1)...(n-k+1)}{k(k-1)\dots1} = \frac{n!}{k!(n-k)!} $$

- **Sophomore's dream 1:**

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

- **Sophomore's dream 2:**

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

- **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:**

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

- **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:**

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

- **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:**

$$\begin{aligned} \nabla\times\vec{\mathbf{B}} - \frac{1}{c}\frac{\partial\vec{\mathbf{E}}}{\partial t} &= \frac{4\pi}{c}\vec{\mathbf{j}} \\ \nabla\cdot\vec{\mathbf{E}} &= 4\pi\rho \\ \nabla\times\vec{\mathbf{E}} + \frac{1}{c}\frac{\partial\vec{\mathbf{B}}}{\partial t} &= \vec{\mathbf{0}} \\ \nabla\cdot\vec{\mathbf{B}} &= 0 \end{aligned}$$

- **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:

$$Hxq \int_0^1 f(x)\,\mathrm{d}x \iint_0^1 f(x)\,\mathrm{d}x \iiint_0^1 f(x)\,\mathrm{d}x \oint_0^1 f(x)\,\mathrm{d}x \int_x f(x)\,\mathrm{d}x$$

  - limits:

$$\int\limits_0^1 f(x)\,\mathrm{d}x \iint\limits_0^1 f(x)\,\mathrm{d}x \iiint\limits_0^1 f(x)\,\mathrm{d}x \oint\limits_0^1 f(x)\,\mathrm{d}x \int\limits_x f(x)\,\mathrm{d}x$$

- **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 – $Hxq\frac{1}{2}$ $^1\!/_2$ $\frac{1}{2+\frac{1}{2}}$ $^1\!/_2 + {}^1\!/_2$ $^1\!/_2 + \frac{1}{2}$ $^{\frac{1}{2+\frac{1}{2}}}\!/_2$ $e^{1/2}$
- **brace+sub/superscript:** $\langle r_{123} \rangle \langle r^{123} \rangle \langle r_{123}^{123} \rangle$
- **math: quadratic formula**

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