See @eq:max.

```
``
₂∇ × [⃗B] - 1/c ∂[⃗E]/∂t ₒ= 4π/c [⃗j] ¦#
              ∇ · [⃗E]\ ₒ= 4πρ          ¦
  ∇ × [⃗E] + 1/c ∂[⃗B]/∂t ₒ= [⃗0]        ¦
              ∇ · [⃗B]\ ₒ= 0            ˎ
ˎˎˎ{#eq:max}
```

where ˎ[⃗B], [⃗E], [⃗j]: ℝ⁴ → ℝ³ˎ — vector functions of
the form
ˎ(t,x,y,z) ↦ [⃗f](t,x,y,z), [⃗f] = (f_ˈxˈ, f_ˈyˈ, f_ˈzˈ)ˎ.

See eq. 1.

$$\nabla \times \mathbf{B} - \frac{1}{c}\frac{\partial \mathbf{E}}{\partial t} = \frac{4\pi}{c}\mathbf{j}$$
$$\nabla \cdot \mathbf{E} = 4\pi\rho$$
$$\nabla \times \mathbf{E} + \frac{1}{c}\frac{\partial \mathbf{B}}{\partial t} = \mathbf{0}$$
$$\nabla \cdot \mathbf{B} = 0 \qquad , \qquad (1)$$

where $\mathbf{B}, \mathbf{E}, \mathbf{j} \colon \mathbb{R}^4 \to \mathbb{R}^3$ – vector functions of the form $(t, x, y, z) \mapsto \mathbf{f}(t, x, y, z), \mathbf{f} = (f_\mathrm{x}, f_\mathrm{y}, f_\mathrm{z})$.

See @eq:max2.

```
``
₂∇ × B - 1/c ∂E/∂t ₒ= 4π/c j ¦#
            ∇ · E\ ₒ= 4πρ      ¦
  ∇ × E + 1/c ∂B/∂t ₒ= 0       ¦
            ∇ · B\ ₒ= 0        ˎ
```

```
,,,{#eq:max2}
```

```
where ₗB, E, j: R⁴ → R³ₗ − vector functions of the form
ₗ(t,x,y,z) ↦ f(t,x,y,z), f = (f_'x', f_'y', f_'z')ₗ.
```

See eq. 2.

$$\nabla \times \mathbf{B} - \frac{1}{c}\frac{\partial \mathbf{E}}{\partial t} = \frac{4\pi}{c}\mathbf{j}$$
$$\nabla \cdot \mathbf{E} = 4\pi\rho$$
$$\nabla \times \mathbf{E} + \frac{1}{c}\frac{\partial \mathbf{B}}{\partial t} = \mathbf{0} \qquad , \qquad (2)$$
$$\nabla \cdot \mathbf{B} = 0$$

where $\mathbf{B}, \mathbf{E}, \mathbf{j} \colon \mathbb{R}^4 \to \mathbb{R}^3$ − vector functions of the form $(t, x, y, z) \mapsto \mathbf{f}(t, x, y, z)$, $\mathbf{f} = (f_{\mathrm{x}}, f_{\mathrm{y}}, f_{\mathrm{z}})$.

```
ₗₗ [∵A] = [∵B]ᵣᵀ� [∵C] [∵B] ₗₗ
```

```
ₗₗ A = BᵣᵀᵧC B ₗₗ
```

$$\mathbf{A} = \mathbf{B}^{\mathrm{T}}\mathbf{C}\mathbf{B}$$

$$\mathbf{A} = \mathbf{B}^{\mathrm{T}}\mathbf{C}\mathbf{B}$$

```
 ``
ₗ[ x₁₁ ,x₁₂ ,x₁₃ ,… ,x₁ₙ |∵
   x₂₁ ,x₂₂ ,x₂₃ ,… ,x₂ₙ |
    ⋮  , ⋮  , ⋮  ,⋱ , ⋮  |
   xₚ₁ ,xₚ₂ ,xₚ₃ ,… ,xₚₙ ]ᵧ ₗₗ
```

$$\begin{bmatrix} x_{11} & x_{12} & x_{13} & \cdots & x_{1n} \\ x_{21} & x_{22} & x_{23} & \cdots & x_{2n} \\ \vdots & \vdots & \vdots & \ddots & \vdots \\ x_{p1} & x_{p2} & x_{p3} & \cdots & x_{pn} \end{bmatrix}$$

```
`` `def`B{
‹[ ax₀ + by₁ ¦··
   ax₁ + by₂ ¦
       ⋮      ¦
   ax_{N-1} + by_{N-1} ]›
}¦
`B = a[⃗x] + b[⃗y] ``
```

$$\begin{bmatrix} ax_0 + by_1 \\ ax_1 + by_2 \\ \vdots \\ ax_{N-1} + by_{N-1} \end{bmatrix} = a\mathbf{x} + b\mathbf{y}$$

```
`` .|x|. = {∈  x. ‹if› x≥0 ¦
               -x. ‹if› x<0 } ``

`` ⌐boole⌐(x) = {∈ 1. ‹if ˌxˌ is › [ᵐTrue]  ¦
                   0. ‹if ˌxˌ is › [ᵐFalse] } ``
```

$$|x| = \begin{cases} x & \text{if } x \geq 0 \\ -x & \text{if } x < 0 \end{cases}$$

$$\text{boole}(x) = \begin{cases} 1 & \text{if } x \text{ is True} \\ 0 & \text{if } x \text{ is False} \end{cases}$$

```
`` `lim`_x→0 ‿`sin` x‿/x = 1‿‿
`` U_{δ₁ρ₂}^{β₁α₂} ‿‿
`` √x = 1 + ‿x-1‿/ᶜ{2 + ‿x-1‿/ᶜ{2 + ‿x-1‿/ᶜ{2 + ∵}}} ‿‿
`` `sin`² x¨ + `cos`² x¨ = 1 ‿‿
```

$$\lim_{x \to 0} \frac{\sin x}{x} = 1$$

$$U^{\beta_1 \alpha_2}_{\delta_1 \rho_2}$$

$$\sqrt{x} = 1 + \cfrac{x-1}{2 + \cfrac{x-1}{2 + \cfrac{x-1}{2 + \ddots}}}$$

$$\sin^2 \ddot{x} + \cos^2 \ddot{x} = 1$$

```
`` a₂³/³√{β₂² + γ₂²} ‿‿
`` (x + y)² = Σk=0^∞ (n¦ᶜk)xⁿ⁻ᵏyᵏ ‿‿
`` (n¦ᶜk) = ‿(n¦∶k)‿, ‿[n¦∶k]‿ ‿‿
```

$$\frac{\alpha_2^3}{\sqrt[3]{\beta_2^2 + \gamma_2^2}}$$

$$(x+y)^2 = \sum_{k=0}^{\infty} \binom{n}{k} x^{n-k} y^k$$

$$\binom{n}{k} = \binom{n}{k}, \quad \begin{bmatrix} n \\ k \end{bmatrix}$$

```
`` {x + … + x}‾‾{k ‹times›} ``
`` πd²/4 1/.(A+B).² =
   πd²/4⌐{.(A).²} 1/.(A+B).² ``
`` Σⁿ_{0≤i≤N ¦_ 0≤j≤M} (ij)² +
   Σⁿ_{i∈A ¦_¹ 0≤j≤M} (ij)²  ``
```

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

$$\frac{\pi d^2}{4} \frac{1}{(A+B)^2} = \frac{\pi d^2}{4} \frac{1}{(A+B)^2}$$

$$\sum_{\substack{0 \leq i \leq N \\ 0 \leq j \leq M}}^{n} (ij)^2 + \sum_{\substack{i \in A \\ 0 \leq j \leq M}}^{n} (ij)^2$$

```
`` ⌐erf¹(x) = 1/√π ∫_ₓˣ e^{-t²} dt ``
`` f⁽²⁾(0) = f''(0) = .<d²f/dx²|.ₓ₌₀ ``
Text `..(.a .b ¦::t c .d.)..` and some more text.
```

$$\mathrm{erf}(x) = \frac{1}{\sqrt{\pi}} \int_{-x}^{x} e^{-t^2} \, dt$$

$$f^{(2)}(0) = f''(0) = \left.\frac{d^2 f}{dx^2}\right|_{x=0}$$

Text $\begin{pmatrix} a & b \\ c & d \end{pmatrix}$ and some more text.

---

prefix unary operator →¬ :

```
‵‵ f: x →¬{‹arrow map›} ⎵i x²  ‵‵
```

$$f : x \xrightarrow[i]{\text{arrow map}} x^2$$

center binary operator ¬ :

```
‵‵ f: x → ¬‹arrow map› ⎵i x²  ‵‵
```

$$f : x \quad \overset{\text{arrow map}}{\underset{i}{\rightarrow}} \quad x^2$$

bug because styles also implemented as prefix unary operators (but by design styles should have priority!):

```
‵‵ f: x →¬‹arrow map› ⎵i x²  ‵‵
```

$$f : x \xrightarrow[i]{\text{‹arrow}} \mathit{map›}\, x^2$$