## Cheatsheet for 001-004-diff.tex

$$\begin{array}{lll} & \begin{array}{lll} & \operatorname{d} x, \ \operatorname{d} x \operatorname{d} y \operatorname{d} z, \ \partial x, \ \partial x \partial y \partial z \\ & \begin{array}{ll} & \frac{\operatorname{d} x}{\operatorname{d} y \operatorname{d} z}, \ \frac{\partial x}{\partial y \partial z} \\ & \begin{array}{ll} & \frac{\operatorname{d} x}{\operatorname{d} y \operatorname{d} z}, \ \frac{\partial x}{\partial y \partial z} \\ & \end{array} \\ & \begin{array}{ll} & \begin{array}{ll} & \frac{\operatorname{d} x}{\operatorname{d} y \operatorname{d} z} (i^n), \ \frac{\partial x}{\partial y \partial z} (i^n) \\ & \begin{array}{ll} & \nabla f, \ \nabla f(x) \\ & \nabla f, \ \nabla f(x) \\ & \begin{array}{ll} & \nabla f|_{x_0}, \ \nabla f|_{x_0}(x) \\ & \end{array} \\ & \begin{array}{ll} & \begin{array}{ll} & \int f(x) \operatorname{d} x \\ & \end{array} \\ & \begin{array}{ll} & \\ & \end{array} \\ & \begin{array}{ll} & \end{array} \\ & \begin{array}{ll} & \end{array} \\ & \begin{array}{ll} & \int f(x) \operatorname{d} x \\ & \end{array} \\ & \begin{array}{ll} & \end{array} \\ \\ & \begin{array}{ll} & \end{array} \\ \\ & \begin{array}{ll} & \end{array} \\ \\ & \begin{array}{ll} & \end{array} \\ \\ & \begin{array}{ll} & \end{array} \\ & \begin{array}{ll} & \end{array} \\ & \begin{array}{ll} & \end{array} \\ \\ & \end{array} \\ \\ \end{array} \\ \end{array} \\ \\ \begin{array}{ll} & \end{array} \\ \\ \end{array} \\ \begin{array}{ll} & \end{array} \\ \\ \end{array} \\ \end{array} \\ \begin{array}{ll} & \end{array} \\ \\ \end{array} \\ \begin{array}{ll} & \end{array} \\ \\ \end{array} \\ \begin{array}{ll} & \end{array} \\ \\ \end{array} \\ \end{array} \\ \begin{array}{ll} & \end{array} \\ \\ \end{array} \\ \begin{array}{ll} & \end{array} \\ \\ \end{array} \\ \begin{array}{ll} & \end{array} \\ \\ \end{array} \\ \end{array} \\ \begin{array}{ll} & \end{array} \\ \end{array} \\ \begin{array}{ll} & \end{array} \\ \\ \end{array} \\ \begin{array}{ll} & \end{array}$$