

4. $\zeta \pm |\zeta|^{-2} \nabla \zeta \cdot \nabla \bar{\zeta}$ ÜS) $\nabla \zeta \cdot \nabla \bar{\zeta}$?
5. $\nabla^2 \zeta \pm \nabla \zeta \cdot \nabla \bar{\zeta}$ ÜS) $\nabla \zeta \cdot \nabla \bar{\zeta}$?

11 1/4" ± 1/4" 11

Di-7 Di Jübe,, „ \hat{I} |QÄ²On²(21/4)QJ 04

1. $\zeta | \text{Cl} \frac{1}{4} \text{N} \overset{2}{\text{C}} \text{fca} \text{Al} \langle \frac{1}{4} \rangle_{\pm \frac{1}{2}} \text{ac}^2 \text{C} : \text{J}$
 $\text{yoc}^2 \langle \frac{1}{4} \rangle^{\text{TMCS}^2} \text{ÜÜ} \text{öü} \} \text{oc}^2 \text{ÎEüç} \text{¶} \text{¶} \text{Höy} \} \text{cY} \text{J}$
2. $\text{Yc}^2 \text{æ} \dots \text{Yc} \} \text{d} \dots \text{¶} \text{¶} \text{Te} \text{¶} \text{¶} \text{a} \text{¶} \text{Yü} \text{¶} \text{¶} \text{H} \text{¶} \text{¶} \text{üü} \} \text{oc} \text{xc} \text{a} \text{ÜÜ} \text{dÜÜ} \text{H} \text{C} : \text{J}$
 $\} \text{cY} : \text{DÜaÜÜ} \text{H} \} \text{c} \} \text{cY} \text{c} \frac{1}{4} \dots \text{æ} \text{d}^{\text{TM}} \text{RÜE} \text{dÜ} \text{¶} \text{¶} \text{H} \frac{1}{4} \text{J}$

Di-8 »ÜS² „c+S/Ut modaeH¶¼J 08

1. $\pm \frac{1}{2} \hbar$
2. $\pm \frac{1}{2} \hbar$

Đi-9 $\frac{1}{2} \text{Cl} + \frac{1}{2} \text{H}_2\text{O} \rightarrow \frac{1}{2} \text{HCl} + \frac{1}{2} \text{OH}^-$ 03

- [illegible]

$$J \stackrel{\text{TM}}{\sim} \frac{1}{4} f \ddot{\phi} \pm \zeta \frac{1}{4} J$$

ĐI-10 ĐI)Ube,,<Î|CZÃ²n²(21/4)qJ 04

1. $\partial \bar{U} U \zeta \pm I \geq \partial \bar{U} U \frac{1}{4} \bar{D} \text{ „ } \zeta \partial \bar{U} U y^2 \alpha \alpha \bar{Y} \bar{Y} \alpha \bar{Y} \pm \zeta J$
 $\partial \bar{U} U \zeta \pm \zeta + Q \bar{U} \bar{Y} \text{ „ } \alpha \bar{Y} \bar{Y} > \epsilon \zeta \zeta \bar{D} \geq \zeta \bar{Y} \alpha N \bar{Y} \alpha J$
2. „ $\frac{1}{4} \alpha \bar{Y} \bar{Y} \alpha \zeta \frac{1}{4} \bar{Y} \bar{Y} \text{ „ } \bar{Y} \alpha \bar{U} \bar{U} \bar{U} \text{ „ } \zeta \bar{Y} f \frac{1}{4} J$
 $\bar{Y} \pm \frac{1}{4} \zeta \text{ „ } \bar{Y} \alpha \{ \pm \zeta \text{ „ } \frac{1}{4} \text{ „ } \frac{1}{4} \bar{Y} \alpha \bar{Y} \alpha \zeta \pm \bar{Y} \bar{Y} J$

Di-11 $\text{C}_{10}\text{H}_{14}\text{N}_2$ 12

- [illegible]

04

1. $\max_{\mathbf{c} \in \mathcal{C}} \|\mathbf{c}\|_2 \leq \sqrt{2} \|\mathbf{U}\|_F$
2. $\|\mathbf{Q}\|_F = \|\mathbf{U}\|_F \quad \mathbf{c} \in \{\mathbf{c} : \|\mathbf{c}\|_2 = 1\}$
3. $\mathbf{S} \pm \{\mathbf{c}\} \mathbf{Q} \mathbf{c}^T \mathbf{y} \quad \mathbf{y} \in \{\mathbf{y} : \|\mathbf{y}\|_2 = 1\}$
