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^{1,*} ²
¹D_{3/2} E_{1/2}, C E_{3/2} fv E_{1/2} w, U_{1/2}, v C, B_{1/2}, C 80309, USA
²I_{1/2} E_{1/2} R_{3/2}, n E_{1/2}, n A_{3/2} P_{1/2}, U_{1/2}, v M_{1/2}, C f, P_{1/2}, M_{1/2} 20742, USA
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2. *W* is a closed set. Let $x \in W$. Then there exists a sequence $\{x_n\}$ in W such that $x_n \rightarrow x$. Since $x_n \in W$, we have $x_n \in \overline{W}$. As $x_n \rightarrow x$, we have $x \in \overline{W}$. Therefore, $x \in W$. Hence, W is closed.

3. W is bounded. Let $x \in W$.

Since $x \in W$,

$$\begin{aligned}
& \text{for } L=0, \quad L-L'=2, \quad L'-L=2, \\
& \quad \frac{1}{N} \sum_{k=1}^N \left(\frac{1}{2} \sum_{j=1}^{K-1} \sum_{l=1}^{K-j} \sum_{m=1}^{K-l} \sum_{n=1}^{K-m} \right) U_{jklmn}^2 \leq O(N^{1/2}) \\
& \quad \text{and} \\
& \quad \prod_{j=1}^{K-1} \prod_{l=1}^{K-j} \prod_{m=1}^{K-l} \prod_{n=1}^{K-m} U_{jklmn} \leq N^{-1}, \\
& \quad \text{so that} \\
& \quad \frac{1}{N} \sum_{k=1}^N \left(\frac{1}{2} \sum_{j=1}^{K-1} \sum_{l=1}^{K-j} \sum_{m=1}^{K-l} \sum_{n=1}^{K-m} \right) U_{jklmn}^2 \leq O(N^{1/2}), \\
& \quad \text{by (21), so that} \\
& \quad \frac{1}{N} \sum_{k=1}^N \left(\frac{1}{2} \sum_{j=1}^{K-1} \sum_{l=1}^{K-j} \sum_{m=1}^{K-l} \sum_{n=1}^{K-m} \right) U_{jklmn}^2 \leq O(N^{1/2}), \\
& \quad \text{so that} \\
& \quad \frac{1}{N} \sum_{k=1}^N \left(\frac{1}{2} \sum_{j=1}^{K-1} \sum_{l=1}^{K-j} \sum_{m=1}^{K-l} \sum_{n=1}^{K-m} \right) U_{jklmn}^2 \leq O(N^{1/2}), \\
& \quad \text{so that} \\
& \quad \frac{1}{N} \sum_{k=1}^N \left(\frac{1}{2} \sum_{j=1}^{K-1} \sum_{l=1}^{K-j} \sum_{m=1}^{K-l} \sum_{n=1}^{K-m} \right) U_{jklmn}^2 \leq O(N^{1/2}),
\end{aligned}$$

- 104, 12 2 200 .
 438, 200 .
 76, 0 100 .
 61, 7 200 .
 93, 22 101 200 .
 29, 11 1, 1 .
 C, Q, W, T, τ ,
 143, 1 2000 .
 D, S, 2002 .
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 18, 0 11 200 ,
 02 11 200 .
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 S, P, P
 C, v, 200 .