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SILVER GRANT INTERNATIONAL HOLDINGS GROUP LIMITED

銀建國際控股集團有限公司

(Incorporated in Hong Kong with limited liability)

(Stock Code: 171)

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13.51(4)

2024

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2. 在 $\mathbb{R}^n$ 中, 设 $\mathbf{A} = (a_{ij})_{n \times n}$ 为实对称矩阵, $\mathbf{B} = (b_{ij})_{n \times n}$ 为实反对称矩阵, 证明: $\mathbf{A} + \mathbf{B}$ 的特征值均为实数. (10分)

3. 设 $\mathbf{A} = (a_{ij})_{n \times n}$ 为实对称矩阵, $\mathbf{B} = (b_{ij})_{n \times n}$ 为实反对称矩阵, 证明: $\mathbf{A} + \mathbf{B}$ 的特征值均为实数. (10分)

4. 设 $\mathbf{A} = (a_{ij})_{n \times n}$ 为实对称矩阵, $\mathbf{B} = (b_{ij})_{n \times n}$ 为实反对称矩阵, 证明: $\mathbf{A} + \mathbf{B}$ 的特征值均为实数. (10分)

5. 设 $\mathbf{A} = (a_{ij})_{n \times n}$ 为实对称矩阵, $\mathbf{B} = (b_{ij})_{n \times n}$ 为实反对称矩阵, 证明: $\mathbf{A} + \mathbf{B}$ 的特征值均为实数. (10分)

6. 设 $\mathbf{A} = (a_{ij})_{n \times n}$ 为实对称矩阵, $\mathbf{B} = (b_{ij})_{n \times n}$ 为实反对称矩阵, 证明: $\mathbf{A} + \mathbf{B}$ 的特征值均为实数. (10分)

7. 设 $\mathbf{A} = (a_{ij})_{n \times n}$ 为实对称矩阵, $\mathbf{B} = (b_{ij})_{n \times n}$ 为实反对称矩阵, 证明: $\mathbf{A} + \mathbf{B}$ 的特征值均为实数. (10分)

8. 设 $\mathbf{A} = (a_{ij})_{n \times n}$ 为实对称矩阵, $\mathbf{B} = (b_{ij})_{n \times n}$ 为实反对称矩阵, 证明: $\mathbf{A} + \mathbf{B}$ 的特征值均为实数. (10分)

9. 设 $\mathbf{A} = (a_{ij})_{n \times n}$ 为实对称矩阵, $\mathbf{B} = (b_{ij})_{n \times n}$ 为实反对称矩阵, 证明: $\mathbf{A} + \mathbf{B}$ 的特征值均为实数. (10分)

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董事會主席兼首席執行官

主席兼首席執行官

Chairman, Co-Chief Executive Officer and Executive Director

2024年12月22日

As at the date of this announcement, the Board comprises Mr. Chu Hing Tsung (alias Zhu Qing Yi) (Chairman and Co-Chief Executive Officer), Mr. Chen Yongcun (Co-Chief Executive Officer), Mr. Weng Jian, Mr. Zhang Wenguang and Ms. Ku Ka Lee as executive Directors; Mr. Chen Zhiwei as a non-executive Director; and Mr. Liang Qing, Mr. Zhang Lu and Mr. Hung Muk Ming as independent non-executive Directors.