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## **On graphs with the smallest eigenvalue at least $-1 - \sqrt{2}$ , part ii**

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### **Abstract**

This is a continuation of the article with the same title. In this paper, the family  $\mathcal{H}$  is the same as in the previous paper [T. Taniguchi, On graphs with the smallest eigenvalue at least  $-1 - \sqrt{2}$ , part I, Ars Math. Contemp 1 (2008), 81-98]. The main result is that a minimal graph which is not an  $\mathcal{H}$ -line graph, is just isomorphic to one of the 38 graphs found by computer.

**Keywords:** Generalized line graph, spectrum.

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## **O grafih z najmanjšo lastno vrednostjo najmanj $-1 - \sqrt{2}$ , drugi del**

### **Povzetek**

To je drugi del članka z istim naslovom. V tem delu je družina  $\mathcal{H}$  ista, kot je bila v prvem delu članka [T. Taniguchi, On graphs with the smallest eigenvalue at least  $-1 - \sqrt{2}$ , part I, Ars Math. Contemp 1 (2008), 81-98]. Glavni rezultat tega dela je, da je minimalen graf, ki ni  $\mathcal{H}$ -linijski, izomorfen enemu od 38 grafov, najdenih s pomočjo računalnika.

**Ključne besede:** Posplošeni linijski graf, spekter.