

School of Natural Sciences and Mathematics

***Seeded Growth of Boron Arsenide Single Crystals
with High Thermal Conductivity—Supplement***

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Supplementary Information

Seeded Growth of Boron Arsenide Single Crystals with High Thermal Conductivity

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Location	G (MW m ⁻² K ⁻¹)	k (W m ⁻¹ K ⁻¹)
1	48	96
2	51	85
3	54	88
4	80	341
5	76	143
6	25	325
7	48	82

Table S1. Thermal conductivity and interface thermal conductance measured on the sample shown in Fig. 2(c) at different locations. For each location, the results from fitting the average of 10 individual TDTR curves are reported.

Run	G (MW m ⁻² K ⁻¹)	k (W m ⁻¹ K ⁻¹)
1	85	303
2	74	350
3	70	369
4	88	321
5	98	344
6	80	349
7	85	367
8	73	376
9	77	366
10	80	369

Table S2. Thermal conductivity and interface thermal conductance from fitting 10 individual curves at Location 4 in Table S1.

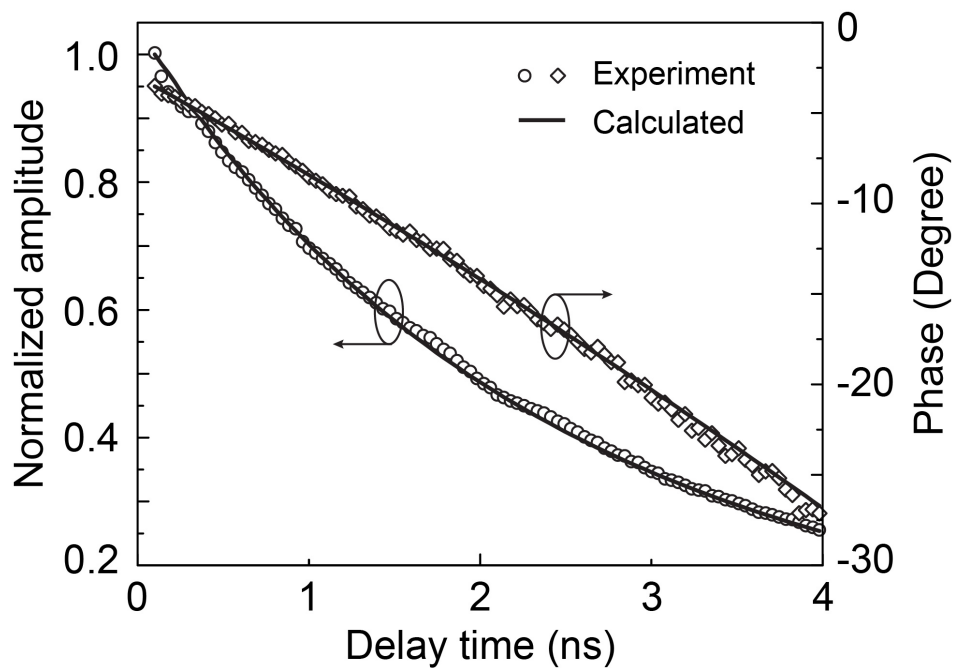


Fig. S1. The computed and measured TDTR curves in terms of the phase and the amplitude for the crystal shown in Fig. 2(c). Both of them agree well and further confirm the experimental reliability.