

# Turkish Journal of Mathematics

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Efficient Presentations for Some Direct Products of Groups

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
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**Abstract:** In this paper we give efficient presentations for  $A_4 \times D_n$ , where  $n$  is odd number, or  $n$  is even number and  $(n,3)=1$ . We also give efficient presentations for  $A_5 \times D_n$  where  $n$  is an even or odd number.

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