Operator `DEFI_PARTITION`

1. **Goal**

   This operator allows to carry out the partitioning of a model.

   Product a structure of data `sd_partit`. 

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2 Syntax

```plaintext
sd_partit = DEFI_PARTITION (  
  ♦ MODEL = model,            [model]  
  ♦ NBPART = nbpart,          [I]  
  ♦ METHOD = / 'KMETIS',       [DEFECT]  
     / 'PMETIS',              
     / 'SCOTCH TAPE',         
  ♦ NOM_GROUPE_MY = / 'SD',    [DEFECT]  
     / ngma,                [TXM]  
  ♦ INFORMATION = / 1  
     / 2                   [I]  
)
```

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3 Operands

3.1 Operand MODEL

   MODEL = model

   Name of the model with partitionner.

3.2 Operand METHOD

   METHOD = / 'KMETIS' [DEFECT]
      'PMETIS'
      'SCOTCH TAPE'

   Allows to define the partitionner used.

   Mongrel is developed per G. Karypis and V. KUMAR at the university from Minnesota, in Minneapolis:
   http://www-users.cs.umn.edu/~karypis/metis
   Two algorithms are available.

   Scotch tape is developed at the University of Bordeaux-I by F. Pellegrini:
   http://www.labri.fr/Perso/~pelegrin/scotch/scotch_fr.html

3.3 Operand NBPART

   NBPART = nbpart

   Many under-fields wished by the user. The number of under-fields is an entirety equal to or higher than 2.

3.4 Operand NOM_GROUP_MA

   NOM_GROUP_MA = ngma

   Allows to define the prefix of the names of the groups of meshes which will be created for each under-field by partitioning. By default, this one is 'SD'.

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4 Example

    sd_partit = DEFI_PARTITION {
        MODEL = model
        NB_PART = 16,
        METHODE='SCOTCH',
    }