

## Mathematics and Music – Talk

The talk on "Mathematics and Music" held on 06-09-2021, Organized by Department of Mathematics through Google Meet by Ms. Avina V, IIMSc Mathematics. The talk aimed to unravel the fascinating relationship between mathematics and music, highlighting the intricate patterns, structures, and harmonies that exist within both disciplines. Total 20 students participated

The screenshot shows a Google Meet interface. On the left, a whiteboard displays handwritten mathematical text and a diagram. The text discusses reparametrization of a curve  $\gamma: (\alpha, \beta) \rightarrow \mathbb{R}^n$  and defines a reparametrization  $\tilde{\gamma}: (\tilde{\alpha}, \tilde{\beta}) \rightarrow \mathbb{R}^n$  as a smooth bijective function  $\phi: (\tilde{\alpha}, \tilde{\beta}) \rightarrow (\alpha, \beta)$  such that  $\tilde{\gamma}(\tilde{t}) = \gamma(\phi(\tilde{t}))$ . A diagram shows a mapping from  $(\alpha, \beta)$  to  $\mathbb{R}^n$  via  $\gamma$ , and a mapping from  $(\tilde{\alpha}, \tilde{\beta})$  to  $(\alpha, \beta)$  via  $\phi$ , with a combined mapping  $\tilde{\gamma}$  from  $(\tilde{\alpha}, \tilde{\beta})$  to  $\mathbb{R}^n$ .

On the right, a grid of participant avatars is visible. The participants shown are:

- ASWATHY K V
- Haneena Sherbin
- Megha Shaji
- Lebin Latheef
- Shehin
- ANUSREE M
- ARUNKUMAR C.S.
- 10 others
- You

  
**Principal**  
 W.M.O. Arts & Science College  
 Muttill P.O., Wayanad