

(For JSPS Fellow)

Form B-5

Date (日付)

4/11/2014 (Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-

(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Nguyen Tat Thang (ID No. P 13014)

- Participating school (学校名): Seishingakuen High School/Junior High School, Ibaraki

- Date (実施日時): 1/11/2014 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Introduction to singularities of maps

(in Japanese)

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

Theory of singularities plays an important role in mathematics. It studies critical points and critical values of maps, namely, the points where the derivatives vanish. By understanding these special objects we can recover the map as well as the origin and the target of the map. There are a lot of applications from this theory into many fields of mathematics and other subjects. In this lecture, I briefly introduced about singularity. In particular, I talked about Morse theory, explain its main idea and results. In the last of the lecture, I explain some applications of singularity in real life.

- Language used (使用言語): English

- Lecture format (講演形式): presentation

◆Lecture time (講演時間) 60 min (分), Q&A time (質疑応答時間) min (分)

◆Lecture style(ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

projector and black board

◆Interpretation(ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

◆Name and title of accompanied person (同行者 職・氏名)

◆Other note worthy information (その他特筆すべき事項):

- Impressions and opinions from accompanied person (同行者の方から、本事業に対する意見・感想等

Must be typed

がありましたら、お願いいたします。):