

第 21 回 代数曲面ワークショップ at 秋葉原

下記のとおりでワークショップを開催します。

日時：2019 年 12 月 21 日（土） 14:00–18:45

場所：首都大学東京 秋葉原サテライトキャンパス 会議室 A

東京都千代田区外神田 1-18-13 秋葉原ダイビル 12 階

アクセスについては下記 URL にてご確認ください。

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プログラム

14:00–15:30

赤池広都（大阪大学）

Slope inequalities for irregular cyclic covering fibrations

abstract: Primitive cyclic covering fibrations are introduced and extensively studied by M. Enokizono. In this talk, we consider irregular such fibrations $f : S \rightarrow B$, i.e., those with positive *relative irregularity* $q_f := q(S) - \text{genus}(B)$, and give the lower bound of the slope in terms of the fiber genus g , covering degree n and q_f .

16:00–17:30

佐藤悠介（東京大学）

Binary tree and continued fraction for cyclic quotient singularities

abstract: Multidimensional continued fraction is introduced by Ashikaga to describe the resolution of cyclic quotient singularities. In dimension three, we can obtain a crepant (resp. economic) resolution using by two dimensional continued fraction for Gorenstein (resp. terminal) cyclic quotient singularities. On the other hand, two dimensional continued fraction can be expressed as binary tree. In this talk, we will introduce the characterization of binary tree given by continued fraction. Moreover, we will show that the binary tree gives the crepant (economic) resolution.

17:45–18:45 討論

世話人：徳永浩雄（首都大学東京）

今野一宏（関西大学）