

Hukuhara-Masuo (北太)

1

Kami no ue no Danwakwai mo 2-gō ga dete daibu Yōsu ga wakatte kita. Boku mo nani ka kakitai ga Byōin no Beddo ni sibaritukerarete itan'dyā matomatta mono mo kakenai. Atama no Hataraki mo nibutta yōda. Tada Ki ga tuita koto wo sukosi nobesasete morau koto ni sita.

Happyōsareta mono dore mo kekkō. Daga mō sukosi kudaketa kaki-buri no mono ga attemo yoin'dyā nai darō ka? Kudakeru to iu koto wo yosetsu, wakariyasuku suru, sore ga Senmonka no Ude dyā nai ka? Tayasukitadukenai yō na ikameshi Isyōwo tukete Sirōto wo Soba e yosetukenai de Gakumon no Igon ga tamotareru to kangaeru kata wa osoraku arimasumai. "Elementary" to iu koto wo kirattani keibetusitari suru koto wa yokunai. Sennontekina Kotogara wo Sirōto nimo wakaru yōni kudaite kaku koto wa nozomasi koto da. Syōmei no Genmitu to iu koto mo taisei ni tiginai. Sikasi genmituna Syōmei ga erareta kara sorede wakatta to iu koto ni naryā sinai. Wakariyasuku setumeisuru tame niwa keisikitekina Genmitusa wa Gisei ni sitemo yoi darō. Kangae no Sudimiti datte Genmitusa ni otorazu taisei da. Kotonī Kami no Ue datte Danwakwai nan'da kara.

2

Zyōbibunhōteisiki-ron ni oite Kai no Sonzai-teiri ga motu Dyūyōsa ni Igi no aru Kata wa nai darōto omou. Danoni boku wa sore wo sarani tuyoku sakebitai. Senmonka wa iu madomonai, Senmonka de nakuttemo Bibunhōteisiki wo ziyūni gyōsiyō to suru Zisaike mo Kai no Sonzai-teiriga motu Meuti wo hakkiri siranakereba ikenain'dyā nai darō ka? Abaerareta Hōteisiki wo manzoku

Sore no Syūrensei wa yoku "séries majorantes" ni yotte tasikame
 raneru. Sore ga syūrensuru koto ga wakareba yoi ga, syūren,
 sinai Baai datte ikuramo aru. Sonna toki donna Toriatukai wo
 site ita darō ka? Kai wo Teisekibun no Katati de arawasitari
 itomo takumina Hōhō wo tukatte iru. Sikasi itumo sonna taku-
 mina Gikō wo kangaedasu Atama wa boku niwa nai kara, motto
 itudemo tukaeru. Hōhō ga hosii. Sō iu mono ga mitukareba, Bibun-
 hōteisiki ga mae yori tayasuku atukaeru yōni narun'dya nai darō
 ka? Sokode boku ga tukau Zyōtsūsyudan wo setumeisiyō!

$$y \sim a_0 + a_1x + a_2x^2 + \dots + a_nx^n + \dots$$

ga atarareta Hōteisiki wo keisikitekini manzokusuru to siyō.
 Kore ga Kai no Kinzitenkai ni naru koto wo syōmeisuru niwa
 kattena Seisū ni taisite

$$\left| y - (a_0 + a_1x + \dots + a_nx^n) \right| \leq Kx^{n+1}$$

(K wa Zyōsū)

wo manzokusuru Kai ga aru ka dō ka wo Kai no Sonzai-teiri ni
 yotte siraberu no de aru. Nanno Hentetu mo nai Kangaekata de
 aru. Sore dake ippanmuki dyā nai darōka? Tada kō iu Baai ni
 riyōsareru no da kara, Kai no Sonzaitēiri wo dekiru dake seimitu
 ni suru Hituyō ga aru. Cauchy no Sonzaitēiri ni kōdeisite itan'
 dyā, Bibunhōteisiki no Kai no Seisitu wo siraberu no ni Kai no
 Sonzai-teiri nado Yaku ni tatanai to iwaretatte Sikata ga arumai.
 Kono Mondai wa idure mata Hude wo aratamete nobete mitai to omou.

Mamma to ka iu Hito no Ronbun wo mita Wake de nai kara
 wakaranai ga, Nakano Udi ga iu tōri 冗長複雑 dattara Nakano
 udi naradeno haradatasii ni tigainai.

Nakano Udi no Kōgo wo sono mama tukatte'

$$(1) \quad y^{(n)} + p_1(x) y^{(n-1)} + \dots + p_n(x) y = 0$$

no Keisū $p(x)$ ga Kukan (a, b) de renzoku da to si, sono n -kono dokurituna Kai wo $u_1(x), \dots, u_n(x)$ to sureba (1) no Kai wa

$$(2) \quad y = (z_1 + i z'_1) u_1(x) + \dots + (z_n + i z'_n) u_n(x)$$

no Katati ni kakeru. x wo koteisite okeba

$$(z_1 + i z'_1) u_1(x) + \dots + (z_n + i z'_n) u_n(x)$$

wa $2n$ -zigenno Kūkan ni okeru $(2n-2)$ -zigenno Heimen de aru.

x wo a kara b -made henkwasaseru koto ni yotte, sonoyōna Heimen ga ∞ -kerarereru. Kono ∞ -kono $(2n-2)$ -zigenno Heimen ni hukumarenai $2n$ -zigenno Kūkan no Ten wo (z, z') to sureba (2) ga Kukan (a, b) de 0 ni naranai (1) no Kai ni naru. Kore dewa genmituna Syōmei ni natte inai ga, kore dake de zyūbunni Yōsu wa wakaru to omou. x wo Hukuso-ryōiki no Hensūto sitari, Keisū ga zitu de aru toki zituno Kai dake kangaetari sitan'dewa, naze Teiri ga seiritusinaku naru ka nado mo. Yōsuruni Zigen no Kwankei ni suginai. Genmituna Syōmei to site wa osoraku Nakano Udi no mono ga kantan de arō.

$u_1(x), \dots, u_n(x)$ ni kwansite taisyōna Katati no Syōmei mo eyō to sureba erareyōga, yori kantanni naru ka dōka wa siranai. Boku wa Nakano Udi no kongono Go-kenkyū ni Kitai wo motitai.

正 誤 OMOITUITA MAMA (4号, Hukuhara-Masuo)

6頁 7行ト8行ト、間 = : wa Teido wo sageru to iu koto dyā nai, Mukasii koto, wakarinikeni koto ヲ補フ。

8行. Wo、次 "yasasikun" 7"ス、

7頁 13行. Secsū、次 = n 4" 腹ケテ居マス、