

Berkeley Math Circle, February 10, 2015

Dmitry Kleinbock, Brandeis University

IRRATIONALITY AND EQUIDISTRIBUTION

12481361251248136125124813612512481361251248137125124913712512491371251249137136...

13928272615151414131313928272726151514141313928272726151514141313139282726261515...

14162141621416214162141721417214172141731417314173152831528315283152831528315293...

15216317319421631731942152173194215217319421521731842152163184215216318421521631...

16321742116321742116321742116321742116321842116321842116321842116321842116321842...

17432118542119643211753211964321175321196432117532118643211753211854221174321185...

18654322111865432211197543321119765432211186543221119754322111976543221118654322...

19876554433322221111119877655443332222111111998765544333222211111198766554433222...

111111112222333445566788911111122223334445667889111111222233344455677891111111...

1393939392929292828282828282828282827272727272727272726262626262626161611551...

12725141282314138261413927151312725141382614139271513127251413826141392615131272...

11224581123469112357112245811234691123571122458112346911235711234681123469112357...