space) is well fitted to bridge over a discontinuity, by the introduction of an extra copy of space in which the discontinuity is filled up in some suitable way.

The success, however partial, which has attended the quest for mathematical functions that express more and more complicated physical relationships, tends to strengthen our faith in some deep-lying correspondence between the world of nature and the world of the pure intellect. It remains for mathematicians and physicists to discover new winding lines and open doors.

MATHEMATICAL APPOINTMENTS IN COLLEGES AND UNIVERSITIES.

BY PROFESSOR E. J. WILCZYNSKI.

AT the meeting of the Chicago Section held January 2, 1909, a committee was appointed for the purpose of investigating the possibility of improving the character of mathematical appointments in our colleges and universities. I submitted for the consideration of the members of the committee an adaption of the Italian system which appeared to me to be applicable to American conditions. My views were not shared by the other members of the committee, and our official report has been incorporated in the secretary's report of the April meeting of the Chicago Section.

The suggestions which I offered to the committee may be arranged under three heads.

First. Publication of vacancies. — There should be established in the BULLETIN a special department devoted to the announcement of vacancies. The administrative heads of all colleges and universities should be informed of the existence of this department and should be requested to avail themselves of it. The announcements should be as explicit as possible on the items of title, salary, grade and amount of work, probable date of appointment, address to which applications should be sent, date after which no applications will be considered, whether a specialist is desired or preferred, and if so in what special subject. If any of these items are subject to any uncertainty — if, for instance, as is often the case, an institution is not willing to announce a definite sum as salary because it would be willing to pay widely different salaries according to